VADE MECUM,

OR THE

Necessary Companion.

CONTAINING,

1. Sir S. MORLAND's **Perpetual Almanack**, in Copper Plates, with many useful Tables proper thereto.
2. *Christian* and *Regal Years* compar'd from the *Norman* Conquest.
3. The Reduction of *Weights* and *Measures*.
4. The Ready Casting up any Number of *Farthings*, *Half-Pence*, *Pence*, *Shillings*, *Nobles*, *Marks*, and GUINNEYS.
5. The Interest, and Rebate of *Money*, the Forbearance, Discompt, and Purchase of *Annuities*.
6. The Rates of *Post-Letters*, both Inland and Outland, with the *Post-Stages*.
7. The usual and authorized Rates or Fares of *Coach-men*, *Carr-men*, and *Water-men*.

By John Playford, a distinguished musician c. 1613 - c. 1693.

The Second Edition.

To which is added,

A Companion for *Excise-men*, containing Mr. *Mayne's* Tables for *Excise*, &c.

LONDON, Printed by *A. G.* and *F. P.* and are to be sold by *T. Passinger*, at the Three *Bibles* on *London-Bridge*. 1680.

2 = 3
2 : 3
2 : 3
2 : 3
18 3
11

TO THE

RIGHT HONOURABLE

ROBERT

Earl of *YARMOUTH*, Baron *PASTON* of *Paſton*, &c.

AND

Lord Lieutenant of the County of *NORFOLK*.

My Lord,

As *the* Eminency *of Your Virtues has render'd You the* Object *of Your Princes Favours: So Your pious* Humility *obliges all Your Inferiours to a juſt Veneration of Your Honourable Self. Your Lordſhips* Generoſity *I have particularly experimented, and have taken this opportunity to make a publick*

Ac-

Acknowledgment thereof. I have not only received Favours from Your Lordſhip, but they have been repeated to me by the Heir of Your Virtues *as well as* Honours, *the Lord* PASTON, *to whom I ſhall always be obliged to pay a profound Reſpect. The Firſt Impreſſion of this Book came abroad under the Shelter of that Learned Mathematician Sir* Jonas Moore, *who was pleaſed to patronize my weak Endeavours: The Deceaſe of which worthy Patron, and the Worlds favourable Acceptation of the following Work, with a ſence of Your Lordſhips Goodneſs, have occaſioned my preſumption in fixing your Lordſhips* Name *to this Second Impreſſion. For which I humbly crave Your Lordſhips Pardon; whereof to doubt, were to ſuſpect your Lordſhips Clemency, and would render me unworthy the Honour I ſue for, of being,*

MY LORD,

Your Lordſhips moſt humble
and devoted Servant,

JOHN PLAYFORD.

PATENT OFFICE LIBRARY

THE PREFACE.

MY Profeſſion obliging me to be converſant with Mathematical Books (the Printing whereof, and Muſick, has been my chiefeſt Employment) I have obſerv'd two things many times the cauſe why Books of this nature appear abroad not ſo correct as they ſhould be; either, 1. Becauſe they are too much haſtened from the Preſs, and not time enough allowed for the ſtrict and deliberate examination of them; which in all Books ought to be done, eſpecially in theſe, for as much as one falſe Figure in a Mathematical Book, may prove a greater fault than a whole word miſtaken in Books of another kind. Or, 2. Becauſe Perſons take Tables upon truſt without trying them, and with them tranſcribe their Errors, if not increaſe them. Both theſe I have carefully avoided, ſo that I have reaſon to believe (and think I may ſay it without vanity) there never was Tables more exactly Printed than in this Book, eſpecially thoſe for *Money* and *Annuities*, for not truſting to my firſt Calculation of them, I new Calculated

every Table when it was in Print by the firſt Printed Sheet, and when I had ſo done, I ſtrictly compar'd it with my firſt Calculation, from which care I hope there is not one falſe Figure in any of them.

The *Perpetual Almanack* was the ingenious Invention of that great Improver of Art, and Encourager of Artiſts, Sir *Samuel Morland*, by whoſe Rules I Calculated the *Moveable Feaſts* and *Terms*, *&c.* To which I have added ſeveral uſeful Tables, being partly Collected, but examined, (and clear'd from the faults contracted by often Printing) before inſerted.

The Table for the ready Caſting up of *Money* is generally uſeful, eſpecially to all manner of Tradeſmen, it being applicable to any thing that concerns Buying, Selling, or Retailing of Commodities, for by it may not only be known, At a certain Price the Pound, Yard, Ell, *&c.* what any Number of Pounds, Yards, Ells, *&c.* at the ſame Price amounts unto; but alſo, Any Quantity of Pounds, Yards, *&c.* being bought by Whole-ſale, what they coſt by the Pound, Yard, *&c.* and at what Rate they may be Retailed to gain ſuch profit, as the Buyer propos'd to himſelf in laying out his Money. As for Example, *A Perſon Buyes* 800 *Pounds of Sugar for* 10*l.* *and deſires to Retail it ſo as to gain* 5*l.* *what does it coſt him* per *Pound, and at what Rate muſt he ſell it* per *Pound to make the aforeſaid Profit*

of it? Seek in the Table 'till you find 10 *l.* againſt 800, which you will find in Page 53, at the top whereof you have *Three-Pence*, and ſo much did it coſt him *per* Pound. Then to find how he muſt ſell it to gain 5 *l.* add the Profit deſired to the Price paid, which together make 15 *l.* and ſeek for that (as before) againſt 800, which you will find in Page 59, at the top whereof is *Four-pence Half-peny*, and for ſo much muſt he ſell each Pound to gain 5 *l.* Many more are the Uſes of this Table, of which to give a particular Account would require a diſtinct Treatiſe.

The other Tables, though very true, and uſeful in their kind, are not ſo general, and therefore the Examples given of them in the Book may ſuffice for their Explanation.

In theſe Tables you may often have occaſion to add together Decimal Fractions, for which take the following Directions.

Addition of Decimals is the ſame with Addition of Whole Numbers, always obſerving to place them one under another in their proper places. Decimals are caſt up by Tens, be the Integer a Pound, Shilling, Peny, Farthing, or any thing elſe, and are diſtinguiſhed from whole Numbers by a Point placed before each Fraction.

Examples.

Pounds.	*Shillings.*	*Pence.*	*Farthings.*
75.06	7.36	4.75	1.53
33.44	3.09	5.36	0.60
17.99	4.67	0.72	1.07
126.49	15.12	10.83	3.20

To Caſt up the firſt Example of Pounds, I begin with the Decimals, and ſay, 9 and 4 is 13 and 6 is 19, I ſet down 9 and carry 1 to the next Rank; then 1 that I carried and 9 is 10 and 4 is 14, I ſet down 4 (making a Point before it to diſtinguiſh the Fraction from the whole Number) and carry 1 to the Pounds; then 1 and 7 is 8 and 3 is 11 and 5 is 16, I ſet down 6 and carry 1; then 1 and 1 is 2 and 3 is 5 and 7 is 12, which I ſet down, and the whole Sum is 126*l.* and 49 Hundred Parts of a Pound. And after this manner are the other Examples caſt up.

This I thought neceſſary to inſert here, it being omitted in its proper place.

To conclude, you will find nothing in this Book but what is very uſeful, according to the Truth of which, you may approve or diſlike the Endeavours of,

Your Servant,

JOHN PLAYFORD.

THE CONTENTS.

A *Table ſhewing the* Dominical Letter *Pag.* 1
A Table ſhewing what Day of the Week each Month begins for ever 2
A Table ſhewing the Day of the Month for ever 3
Explanation of theſe Tables 4
Remarkable Days 6
Fixed Feaſts 7
Moveable Feaſts 8
Moveable Terms 9
Fixed Terms and Returns 10
A Table ſhewing the Day-break, Twilight, and Length of Days and Nights throughout the Year 11
Sun's Riſing and Setting 12
Changes of the Moon 16
Eclipſes 22
Tide-Table 23
Explanation 24
Cities, Market-Towns, and Pariſhes, in England *and* Wales 25
Expence of a Day, what by the Week, Month, or Year 26
Expence of a Year, what by the Month, Week, or Day 27
A Regal Table 28
Years of Chriſt compared with the Years of each King's Reign from the Conqueſt 29
Reduction of Weights and Meaſures 34
Reduction of Pounds, Shillings, &c. 40
Farthings, Pence, &c. ready caſt up 41
Explanation 133

The CONTENTS.

Nobles and Marks ready caſt up Page 135
Guinneys ready caſt up 137
Simple Intereſt of Money, at 6 per Cent. 153
To find the Intereſt of any Sum of Money, at any Rate of Intereſt for any Number of Days 158
Rebate of Money, at 6 per Cent. *Simple Intereſt* 159
Forbearance of Annuities, at 6 per Cent. *Compound Intereſt* 168
Diſcompt of Annuities, at 6 per Cent. *Compound Intereſt* 172
Purchaſe of Annuities, at 6 per Cent. *Compound Intereſt* 176
A Table to ſupply the Defect of Years in the Forbearance, Diſcompt, and Purchaſe of Annuities 184
To find the Value of a Decimal Fraction 182
The Decimal Parts of a Pound Sterling 181
Rates of Poſt-Letters, Inland and Outland 185
Times for ſending and receiving them 189
Poſt-Stages, ſhewing the Length of each Stage, and their Diſtance from London 190
Coach-men's Rates 192
Carr-men's Rates 194
Water-men's Rates 199

Note, That the Table to ſupply the Defect of Years in the Tables of *Forbearance*, *Diſcompt*, and *Purchaſe* of *Annuities*, ſhould have been placed next after them in Page 181. and the Table of the Decimal Parts of a Pound ſhould have been placed in Page 184.

Sir SAMUEL MORLAND's Perpetual Almanack.

A Table of the Dominical Letters from the first year of Our Lord to the year 3400 & may be continued for ever

				1	2	3	4	5	6	7
				DC	ED	FE	GF	AG	BA	CB
				000	100	200	300	400	500	600
				700	800	900	1000	1100	1200	1300
				1400	1500	1600	1700	1800	1900	2000
				2100	2200	2300	2400	2500	2600	2700
				2800	2900	3000	3100	3200	3300	3400
0	28	56	84	DC	ED	FE	GF	AG	BA	CB
1	29	57	85	B	C	D	E	F	G	A
2	30	58	86	A	B	C	D	E	F	G
3	31	59	87	G	A	B	C	D	E	F
4	32	60	88	FE	GF	AG	BA	CB	DC	ED
5	33	61	89	D	E	F	G	A	B	C
6	34	62	90	C	D	E	F	G	A	B
7	35	63	91	B	C	D	E	F	G	A
8	36	64	92	AG	BA	CB	DC	ED	FE	GF
9	37	65	93	F	G	A	B	C	D	E
10	38	66	94	E	F	G	A	B	C	D
11	39	67	95	D	E	F	G	A	B	C
12	40	68	96	CB	DC	ED	FE	GF	AG	BA
13	41	69	97	A	B	C	D	E	F	G
14	42	70	98	G	A	B	C	D	E	F
15	43	71	99	F	G	A	B	C	D	E
16	44	72		ED	FE	GF	AG	BA	CB	DC
17	45	73		C	D	E	F	G	A	B
18	46	74		B	C	D	E	F	G	A
19	47	75		A	B	C	D	E	F	G
20	48	76		GF	AG	BA	CB	DC	ED	FE
21	49	77		E	F	G	A	B	C	D
22	50	78		D	E	F	G	A	B	C
23	51	79		C	D	E	F	G	A	B
24	52	80		BA	CB	DC	ED	FE	GF	AG
25	53	81		G	A	B	C	D	E	F
26	54	82		F	G	A	B	C	D	E
27	55	83		E	F	G	A	B	C	D
				1	2	3	4	5	6	7

A Table
Shewing by the help of ye Dominical Letter what day of the week any Month of the year begins for ever

	A	B	C	D	E	F	G
Ian 31	Sund:	Satur:	Fryd:	Thur:	Wedn:	Tueſd:	Mun:
Feb 28	Wedn:	Tueſd:	Mund:	Sund:	Satur:	Fryd:	Thur:
Mar 31	Wedn:	Tueſd:	Mund:	Sund:	Satur:	Fryd:	Thur:
Apr 30	Satur:	Fryd:	Thur:	Wedn:	Tueſd:	Mund:	Sund:
May 31	Mund:	Sund:	Satur:	Fryd:	Thur:	Wedn:	Tueſd:
Iun 30	Thur:	Wedn:	Tueſd:	Mund:	Sund:	Satur:	Fryd:
Iuly 31	Satur:	Fryd:	Thur:	Wedn:	Tueſd:	Mund:	Sund:
Aug 31	Tueſd:	Mund:	Sund:	Satur:	Fryd:	Thur:	Wedn:
Sep 30	Fryd:	Thur:	Wedn:	Tueſd:	Mund:	Sund:	Satur:
Oct 31	Sund:	Satur:	Fryd:	Thur:	Wedn:	Tueſd:	Mund:
Nou 30	Wedn:	Tueſd:	Mund:	Sund:	Satur:	Fryd:	Thur:
Dec 31	Fryd:	Thur:	Wedn:	Tueſd:	Mund:	Sund:	Satur:

The 7 Varieties of the Days of ye Week for finding ye day of the Month.

Sund:	1	8	15	22	29
Mundays	2	9	16	23	30
Tuesdays	3	10	17	24	31
Wednesdays	4	11	18	25	
Thursdays	5	12	19	26	
Frydays	6	13	20	27	
Saturdays	7	14	21	28	

Mund:	1	8	15	22	29
Tuesdays	2	9	16	23	30
Wednesdays	3	10	17	24	31
Thursdays	4	11	18	25	
Frydays	5	12	19	26	
Saturdays	6	13	20	27	
Sundays	7	14	21	28	

Tuesd:	1	8	15	22	29
Wednesdays	2	9	16	23	30
Thursdays	3	10	17	24	31
Frydays	4	11	18	25	
Saturdays	5	12	19	26	
Sundays	6	13	20	27	
Mundays	7	14	21	28	

Wednd:	1	8	15	22	29
Thursdays	2	9	16	23	30
Frydays	3	10	17	24	31
Saturdays	4	11	18	25	
Sundays	5	12	19	26	
Mundays	6	13	20	27	
Tuesdays	7	14	21	28	

Thursd:	1	8	15	22	29
Frydays	2	9	16	23	30
Saturdays	3	10	17	24	31
Sundays	4	11	18	25	
Mundays	5	12	19	26	
Tuesdays	6	13	20	27	
Wednesdays	7	14	21	28	

Fryd:	1	8	15	22	29
Saturdays	2	9	16	23	30
Sundays	3	10	17	24	31
Mundays	4	11	18	25	
Tuesdays	5	12	19	26	
Wednesdays	6	13	20	27	
Thursdays	7	14	21	28	

Saturd:	1	8	15	22	29
Sundays	2	9	16	23	30
Mundays	3	10	17	24	31
Tuesdays	4	11	18	25	
Wednesdays	5	12	19	26	
Thursdays	6	13	20	27	
Frydays	7	14	21	28	

The Uſe of the Three foregoing Tables.

1. THE firſt ſhews the *Dominical Letter*, from the firſt year of our Lord to the year 3400, (and may eaſily be continued for ever.)

Example. The *Dominical Letters* for any years under 100 are expreſſed in the firſt Column of Letters, againſt the particular Numbers in the Margin, as the *Dominical Letters* for 28, 56, and 84, are *D C*; for 1, 29, 57, and 85, the Letter is *B*; for 2, 30, 58, and 86, it is *A*, *&c.* But for all even Hundreds or Thouſands (which are always *Leap-years*) the *Dominical Letters* are ſet above them at the top of their reſpective Columns, as for the years 700, 1400, 2100, 2800, the *Dominical Letters* are *D C*; for 100, 800, 1500, 2200, 2900, *E D*, *&c.* And for any other Number the Rule is for ever this, *Where* the Marginal Number (equal to the Fraction or part of an Hundred ſought) meets with the Column where the Number of Hundreds or Thouſands (which is the other part of the Number ſought) is expreſt, the Letter or Letters *there* placed is the *Dominical Letter* or *Letters* for that year; as ſuppoſe the *Dominical Letter* for the year 1679 be demanded, under 1600 and againſt 79 I find *E*, which is the *Dominical Letter* for that year; or if it were for the year 1680, under 1600 and againſt 80 I find *D C*, which are the *Dominical Letters* for that year, the firſt of them *D*, being uſed only 'till St. *Matthias* Eve, and the other *C*, to the years end. And after this manner you may readily find the *Dominical Letter* for any year paſt, preſent, or to come, always beginning the Year on the Firſt of *January*.

Note, That every *Leap-year* has two *Dominical Letters*, the firſt being uſed (as aforeſaid) only 'till St. *Matthias*'s Eve, and the laſt the remaining part of the year. Alſo then *February* has 29 days, otherwiſe but 28.

2. The

2. The ſecond ſhews, how (by the *Dominical Letter*) to find what Day of the Week any Month begins, for ever. Example. *Upon what Day of the Week does* July 1679, *begin?* By the firſt Table I find the *Dominical Letter* E for that year, then under *E* in the ſecond Table, and againſt *July*, I find *Tueſday*, which anſwers the Queſtion. Under every Month is the Number of Days contained therein.

3. The third Table ſhews, how (by knowing what Day of the Week the Month begins) to find the Day of the Month. Example. *What Day of the Month is the ſecond* Thurſday *in* July, 1679? Having found the Month to begin on *Tueſday*, I look in the Diviſion of this Table beginning with that Day, and againſt *Thurſday*, I find 3, 10, 17, 24, 31, which are all the *Thurſdays* in that Month; the ſecond anſwering the Queſtion, being the 10*th* Day.

Theſe Tables are of excellent Uſe, for by them may be readily found not only the preſent Day of the Month for ever; but alſo,

Firſt, What Day of the Week any Day of the Month was, or will be, of any year paſt, or to come. Example. *I would know what Day of the Week the* 5th *of* November *was on in the Year* 1605? By the firſt Table I find the *Dominical Letter* for that year to be *F*; by the ſecond I find *November* began on a *Friday*; and by the third I find that the Fifth of *November* that year was on a *Tueſday*. Again, *I would know what Day of the Week the* 30th *of* January *will be on in the Year* 1685? Firſt I find the *Dominical Letter* for that year will be *D*, then that *January* will begin on a *Thurſday*; and laſtly, that the 30*th* of that Month will be on a *Friday*.

Secondly, What Day of the Month was or will be of any Day, of any Week, of any Month, of any Year, paſt, or to come. Example. *I deſire to know on what Day of the Month the firſt* Tueſday *was in* November, 1605? Having by the foregoing Rules found *November* for that Year to begin on a *Friday*, I preſently find that the firſt *Tueſday* was the Fifth Day of the Month. Again, *I deſire*

desire to know on what Day of the Month the Fifth Friday *will be in* January, 1685? Having found that *January* in that Year begins on a *Thursday*, I find that the Fifth *Friday* will be on the 30*th* Day of that Month.

Remarkable Days.

	D. M.
Valentine	*Febr.* 14
Equal Day and Night	*Mar.* 10
St. *George*	*April* 23
Longeſt Day, or *Barnaby*	*June* 11
Election of Sheriffs in *London*	*June* 24
Swithin	*July* 15
Dog-days begin	*July* 19
Lammas	*Aug.* 2
Dog-days end	*Aug.* 27
Equal Day and Night	*Sept.* 12
Sheriffs of *London* Sworn	*Sept.* 28
Election of the Lord Mayor of *London*	*Sept.* 29
Lord Mayor's Day, when he is Sworn at *Weſtminſter*	*Octo.* 29
Shorteſt Day	*Dec.* 11

Fixed

Fixed Feaſts.

	D. M.
Circumciſion, or New-years-day	*Jan.* 1
Epiphany, or Twelfth-day	*Jan.* 6
Converſion of St. *Paul*	*Jan.* 25
Martyrdom of King *CHARLES* I.	*Jan.* 30
Purification of the Virgin *Mary*, or Candlemas-day	*Febr.* 2
St. *Matthias*	*Febr.* 24
LADY-DAY, or Annunciation of the Virgin *Mary*	*Mar.* 25
St. *Mark* Evangeliſt	*April* 25
St. *Philip* and *Jacob*, or May-day	*May* 1
Birth and Return of King *CHARLES* II.	*May* 29
St. *Barnabas* Apoſtle	*June* 11
MIDSUMMER, or St. *John* Baptiſt	*June* 24
St. *Peter* Apoſtle	*June* 29
St. *James* Apoſtle	*July* 25
St. *Bartholomew* Apoſtle	*Aug.* 24
St. *Matthew* Apoſtle	*Sept.* 21
MICHAELMAS, or St. *Michael* the Archangel	*Sept.* 29
St. *Luke* Evangeliſt	*Octob.* 18
St. *Simon* and St. *Jude*	*Octob.* 28
All Saints	*Nov.* 1
Powder Treaſon	*Nov.* 5
St. *Andrew* Apoſtle	*Nov.* 30
St. *Thomas* Apoſtle	*Dec.* 21
CHRISTMAS, or Birth of our Lord God	*Dec.* 25
St. *Steven* Protomartyr	*Dec.* 26
St. *John* Evangeliſt	*Dec.* 27
Innocents	*Dec.* 28

Note, That St. *Matthias* Day is on *February* 25, in the *Leap-years*.

Move-

Year.	Shrove-Su.	Easter-day	Ascen. day.	Whit-Sun.
1679	*Mar.* 2	*April* 20	*May* 29	*June* 8
80	*Febr.* 23	*April* 11	*May* 21	*May* 31
81	*Febr.* 13	*April* 3	*May* 12	*May* 22
82	*Febr.* 26	*April* 16	*May* 25	*June* 4
83	*Febr.* 18	*April* 8	*May* 17	*May* 27
84	*Febr.* 10	*Mar.* 30	*May* 8	*May* 18
85	*Mar.* 1	*April* 19	*May* 28	*June* 7
86	*Febr.* 14	*April* 4	*May* 13	*May* 23
87	*Febr.* 6	*Mar.* 27	*May* 5	*May* 15
88	*Febr.* 26	*April* 15	*May* 24	*June* 3
89	*Febr.* 10	*Mar.* 31	*May* 9	*May* 19
90	*Mar.* 2	*April* 20	*May* 29	*June* 8
91	*Febr.* 23	*April* 12	*May* 21	*May* 31
92	*Febr.* 7	*Mar.* 27	*May* 5	*May* 15
93	*Febr.* 26	*April* 16	*May* 25	*June* 4
94	*Febr* 18	*April* 8	*May* 17	*May* 27
95	*Febr.* 3	*Mar.* 24	*May* 2	*May* 12
96	*Febr.* 23	*April* 12	*May* 21	*May* 31
97	*Febr.* 14	*April* 4	*May* 13	*May* 23
98	*Mar.* 6	*April* 2	*June* 2	*June* 12
99	*Febr.* 19	*April* 9	*May* 18	*May* 28
1700	*Febr.* 11	*Mar.* 31	*May* 9	*May* 19
1	*Mar.* 2	*April* 20	*May* 29	*June* 8
2	*Febr.* 15	*April* 5	*May* 14	*May* 24
3	*Febr.* 7	*Mar.* 28	*May* 6	*May* 16
4	*Febr.* 27	*April* 16	*May* 25	*June* 4
5	*Febr.* 18	*April* 8	*May* 17	*May* 27
6	*Febr.* 3	*Mar.* 24	*May* 2	*May* 12
7	*Febr.* 23	*April* 13	*May* 22	*June* 1
8	*Febr.* 15	*April* 4	*May* 13	*May* 23
9	*Mar.* 6	*April* 2	*June* 2	*June* 12
10	*Febr.* 19	*April* 9	*May* 18	*May* 28

Year.	EASTER TERM		TRINITY TERM	
	Begins,	Ends,	Begins,	Ends,
1679	May 7	June 2	June 20	July 9
80	April 28	May 24	June 11	June 30
81	April 20	May 16	June 3	June 22
82	May 3	May 29	June 16	July 5
83	April 25	May 21	June 8	June 27
84	April 16	May 12	May 30	June 18
85	May 6	June 1	June 19	July 8
86	April 21	May 17	June 4	June 23
87	April 13	May 9	May 27	June 15
88	May 2	May 28	June 15	July 4
89	April 17	May 13	May 31	June 19
90	May 7	June 2	June 20	July 9
91	April 29	May 25	June 12	July 1
92	April 13	May 9	May 27	June 15
93	May 3	May 29	June 16	July 5
94	April 25	May 21	June 8	June 27
95	April	May 6	May 24	June 12
96	April 29	May 25	June 12	July 1
97	April 21	May 17	June 4	June 23
98	May 11	June 6	June 24	July 13
99	April 26	May 22	June 9	June 28
1700	April 17	May 13	May 31	June 19
1	May 7	June 2	June 20	July 9
2	April 22	May 18	June 5	June 24
3	April 14	May 10	May 28	June 16
4	May 3	May 29	June 16	July 5
5	April 25	May 21	June 8	June 27
6	April 10	May 6	May 24	June 12
7	April 30	May 26	June 13	July 2
8	April 21	May 17	June 4	June 23
9	May 11	June 6	June 24	July 13
10	April 26	May 22	June 9	June 28

Fixed Terms.

HILLARY TERM,

BEgins	*Jan.* 2
Ends	*Febr.* 12
And hath Four Returns.	
1. Octab. Hil.	*Jan.* 20
2. Quind. Hil.	*Jan.* 29
3. Craſt. Pur.	*Febr.* 3
4. Octab. Pur.	*Febr.* 10

MICHAELMAS TERM,

BEgins	*Octo.* 23
Ends	*Nov.* 28
And hath Six Returns.	
1. Tres Mich.	*Octo.* 21
2. Mens. Mich.	*Octo.* 29
3. Craſt. An.	*Nov.* 4
4. Craſt. Mar.	*Nov.* 11
5. Oct. Mar.	*Nov.* 18
6. Quin Mar.	*Nov.* 27

THe Act of Batchelors in *Cambridge* and *Oxford*, the Firſt Day of Lent. The Act of Maſters, in *Cambridge*, *July* 3. in *Oxford*, *July* 8.

Cambridge Commencement, the Firſt Sunday in *July*.

Oxford Act, the Second Sunday in *July*.

A

A TABLE for the Latitude of LONDON, *shewing for ever the Time of Day-break, Twilight, and the Length of the Days and Nights, throughout the Year.*

Month.		Day-break.		Twilight.		Day's length.		Night's length.	
		H.	M.	H.	M.	H.	M.	H.	M.
Jan.	1	5	54	6	6	7	56	16	4
	11	5	45	6	18	8	22	15	38
	21	5	35	6	25	8	52	15	8
Febr.	1	5	17	6	43	9	26	14	34
	11	5	0	7	0	10	2	13	58
	21	4	45	7	15	10	36	13	24
Mar.	1	4	20	7	40	11	14	12	46
	11	3	59	8	1	12	0	12	0
	21	3	34	8	22	12	36	11	24
April	1	3	55	8	55	13	20	10	40
	11	2	38	9	22	14	4	9	56
	21	2	2	9	58	14	40	9	20
May	1	1	30	10	30	15	16	8	44
	11	0	30	11	30	15	42	8	18
	21					16	10	7	50
June	1	*All Day*		*No Night*		16	20	7	40
	11	*and*		*but*		16	26	7	34
	21	*no Night.*		*Twilight.*		16	20	7	40
July	1					16	6	7	54
	11	0	42	11	18	15	42	8	18
	21	1	22	10	38	15	18	8	42
Aug.	1	2	0	10	0	14	42	9	18
	11	2	21	9	39	14	4	9	56
	21	3	0	9	0	13	28	10	32
Sept.	1	3	30	8	30	12	46	11	14
	11	3	59	8	1	12	8	11	52
	21	4	19	7	41	11	28	12	32
Octob.	1	4	48	7	12	10	48	13	12
	11	5	0	7	0	10	8	13	52
	21	5	18	6	42	9	30	14	30
Nov.	1	5	37	6	27	8	52	15	8
	11	5	45	6	17	8	22	15	38
	21	5	54	6	6	7	58	16	2
Dec.	1	5	57	6	3	7	40	16	20
	11	6	0	6	0	7	34	16	26
	21	5	8	6	2	7	44	16	16

Days of the Month.	January.		February.		March.	
	Sun rises	Sun sets	Sun rises	Sun sets	Sun rises	Sun sets
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	8 9	3 51	7 18	4 42	6 20	5 40
2	8 8	3 52	7 17	4 43	6 18	5 42
3	8 7	3 53	7 15	4 45	6 16	5 44
4	8 6	3 54	7 13	4 47	6 14	5 46
5	8 4	3 56	7 11	4 49	6 11	5 49
6	8 3	3 57	7 9	4 51	6 8	5 52
7	8 1	3 59	7 7	4 53	6 6	5 54
8	8 0	4 0	7 5	4 55	6 4	5 56
9	7 58	4 2	7 3	4 57	6 2	5 58
10	7 56	4 4	7 1	4 59	6 0	6 0
11	7 55	4 5	6 59	5 1	5 58	6 2
12	7 54	4 6	6 57	5 3	5 56	6 4
13	7 52	4 8	6 54	5 6	5 54	6 6
14	7 51	4 9	6 52	5 8	5 52	6 8
15	7 50	4 10	6 50	5 10	5 50	6 10
16	7 48	4 12	6 48	5 12	5 48	6 12
17	7 46	4 14	6 46	5 14	5 46	6 14
18	7 44	4 16	6 44	5 16	5 44	6 16
19	7 43	4 17	6 42	5 18	5 42	6 18
20	7 41	4 19	6 40	5 20	5 40	6 20
21	7 39	4 21	6 38	5 22	5 38	6 22
22	7 37	4 23	6 36	5 24	5 36	6 24
23	7 35	4 25	6 34	5 26	5 34	6 26
24	7 34	4 26	6 32	5 28	5 32	6 28
25	7 32	4 28	6 30	5 30	5 30	6 30
26	7 30	4 30	6 29	5 31	5 28	6 32
27	7 28	4 32	6 27	5 33	5 26	6 34
28	7 26	4 34	6 24	5 36	5 24	6 36
29	7 24	4 36	6 22	5 38	5 22	6 38
30	7 22	4 38			5 20	6 40
31	7 20	4 40			5 18	6 42

Days of the Month.	April. Sun rises	April. Sun sets	May. Sun rises	May. Sun sets	June. Sun rises	June. Sun sets
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	5 16	6 44	4 19	7 41	3 42	8 18
2	5 14	6 46	4 17	7 43	3 42	8 18
3	5 12	6 48	4 15	7 45	3 42	8 18
4	5 10	6 50	4 14	7 46	3 41	8 19
5	5 8	6 52	4 12	7 48	3 41	8 19
6	5 6	6 54	4 11	7 49	3 41	8 19
7	5 5	6 55	4 10	7 50	3 41	8 19
8	5 3	6 57	4 8	7 52	3 41	8 19
9	5 2	6 58	4 7	7 53	3 41	8 19
10	5 0	7 0	4 6	7 54	3 41	8 19
11	4 57	7 3	4 4	7 56	3 41	8 19
12	4 55	7 5	4 3	7 57	3 41	8 19
13	4 53	7 7	4 2	7 58	3 41	8 19
14	4 51	7 9	4 0	8 0	3 41	8 19
15	4 49	7 11	3 59	8 1	3 41	8 19
16	4 47	7 13	3 58	8 2	3 41	8 19
17	4 45	7 15	3 57	8 3	3 41	8 19
18	4 43	7 17	3 56	8 4	3 41	8 19
19	4 41	7 19	3 55	8 5	3 42	8 18
20	4 39	7 21	3 53	8 7	3 42	8 18
21	4 38	7 22	3 52	8 8	3 42	8 18
22	4 36	7 24	3 51	8 9	3 43	8 17
23	4 34	7 26	3 50	8 10	3 44	8 16
24	4 32	7 28	3 49	8 11	3 44	8 16
25	4 30	7 30	3 48	8 12	3 45	8 15
26	4 28	7 32	3 47	8 13	3 46	8 14
27	4 27	7 33	3 46	8 14	3 47	8 13
28	4 25	7 35	3 45	8 15	3 48	8 12
29	4 23	7 37	3 45	8 15	3 49	8 11
30	4 21	7 39	3 44	8 16	3 50	8 12
31			3 43	8 17		

Days of the Month.	July. Sun rises H. M.	July. Sun sets H. M.	August. Sun rises H. M.	August. Sun sets H. M.	September. Sun rises H. M.	September. Sun sets H. M.
1	3 51	8 9	4 35	7 25	5 35	6 25
2	3 52	8 8	4 36	7 24	5 37	6 23
3	3 52	8 8	4 38	7 22	5 39	6 21
4	3 53	8 7	4 40	7 20	5 41	6 19
5	3 54	8 6	4 41	7 19	5 43	6 17
6	3 56	8 4	4 43	7 17	5 45	6 15
7	3 57	8 3	4 45	7 15	5 47	6 13
8	3 58	8 2	4 47	7 13	5 49	6 11
9	3 59	8 1	4 48	7 12	5 51	6 9
10	4 0	8 0	4 50	7 10	5 53	6 7
11	4 2	7 58	4 52	7 8	5 56	6 4
12	4 3	7 57	4 54	7 6	5 58	6 2
13	4 4	7 56	4 56	7 4	6 0	6 0
14	4 6	7 54	4 58	7 2	6 2	5 58
15	4 7	7 53	5 0	7 0	6 4	5 56
16	4 8	7 52	5 2	6 58	6 6	5 54
17	4 10	7 50	5 4	6 56	6 9	5 51
18	4 11	7 49	5 6	6 54	6 11	5 49
19	4 12	7 48	5 8	6 52	6 13	5 47
20	4 14	7 46	5 10	6 50	6 15	5 45
21	4 15	7 45	5 12	6 48	6 17	5 43
22	4 17	7 43	5 14	6 46	6 19	5 41
23	4 18	7 42	5 16	6 44	6 21	5 39
24	4 20	7 40	5 18	6 42	6 23	5 37
25	4 22	7 38	5 20	6 40	6 25	5 35
26	4 23	7 37	5 22	6 38	6 27	5 33
27	4 25	7 35	5 24	6 36	6 29	5 31
28	4 27	7 33	5 26	6 34	6 31	5 29
29	4 28	7 32	5 28	6 32	6 33	5 27
30	4 30	7 30	5 30	6 30	6 35	5 25
31	4 32	7 28	5 32	6 28		

Days of the Month.	October. Sun rises	October. Sun sets	November. Sun rises	November. Sun sets	December. Sun rises	December. Sun sets
	H. M.	*H. M.*	*H. M.*	*H. M.*	*H. M.*	*H. M.*
1	6 38	5 22	7 38	4 22	8 16	3 44
2	6 40	5 20	7 39	4 21	8 16	3 44
3	6 42	5 18	7 41	4 19	8 17	3 43
4	6 44	5 16	7 42	4 18	8 17	3 43
5	6 46	5 14	7 44	4 16	8 18	3 42
6	6 48	5 12	7 46	4 14	8 18	3 42
7	6 50	5 10	7 47	4 13	8 18	3 42
8	6 52	5 8	7 49	4 11	8 19	3 41
9	6 54	5 6	7 51	4 9	8 19	3 41
10	6 56	5 4	7 52	4 8	8 19	3 41
11	6 58	5 2	7 54	4 6	8 19	3 41
12	7 0	5 0	7 55	4 5	8 19	3 41
13	7 2	5 58	7 57	4 3	8 19	3 41
14	7 4	4 56	7 58	4 2	8 19	3 41
15	7 6	4 54	8 0	4 0	8 19	3 41
16	7 8	4 52	8 1	3 59	8 18	3 42
17	7 10	4 50	8 3	3 57	8 18	3 42
18	7 12	4 48	8 4	3 56	8 18	3 42
19	7 14	4 46	8 5	3 55	8 17	3 43
20	7 16	4 44	8 7	3 53	8 17	3 43
21	7 18	4 42	8 8	3 52	8 16	3 44
22	7 20	4 40	8 9	3 51	8 16	3 44
23	7 22	4 38	8 10	3 50	8 15	3 45
24	7 23	4 37	8 11	3 49	8 14	3 46
25	7 25	4 35	8 12	3 48	8 14	3 46
26	7 27	4 33	8 12	3 48	8 13	3 47
27	7 29	4 31	8 13	3 47	8 12	3 48
28	7 31	4 29	8 14	3 46	8 12	3 48
29	7 33	4 27	8 14	3 46	8 11	3 49
30	7 34	4 26	8 15	3 45	8 10	3 50
31	7 36	4 24			8 9	3 51

TABLE

SHEWING

The Time of the New Moon *and* Full Moon, *as likewise the* First *and* Second Quadrats; *and consequently her true Age, for Twelve Years.*

1679.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.	D.	H.	M.
January	2 31	0 13	17 19	8	15	20	16	6	1	24	9	58
February	*No New* ☽			7	2	26	15	0	28	23	2	26
March	1 31	20 6	48 32	8	15	47	16	16	58	24	15	15
April	29	7	26	7	6	56	14	23	45	22	23	57
May	28	23	25	6	23	4	15	0	23	22	12	33
June	27	9	59	5	15	58	13	15	54	20	9	8
July	26	22	31	5	8	51	12	22	43	19	13	12
August	25	13	14	4	1	6	11	6	15	17	20	3
Septem.	24	5	55	2	16	52	9	14	35	16	6	17
October	24	3	31	2 31	6 18	39 38	8	23	16	15	20	38
Novem.	22	15	43	30	4	13	7	9	10	14	14	20
Decemb.	22	10	26	29	12	20	6	21	9	14	10	35

1680.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	21	0	59	27	19	19	5	10	6	13	7	3
February	19	12	57	26	3	36	4	2	1	12	3	58
March	19	22	20	26	11	26	4	18	39	12	21	55
April	18	6	17	25	1	52	3	11	25	11	12	54
May	17	13	50	24	14	59	3	3	9	11	2	56
June	15	21	31	23	6	17	1	18	13	9	7	20
July	15	16	39	22	23	12	30 1	19 7	17 22	8	12	15
August	13	7	32	21	16	47	29	5	43	6	15	2
Septem.	12	6	57	20	10	31	27	8	8	4	21	28
October	13	2	58	20	1	30	27	1	19	4	5	23
Novem.	10	18	13	18	18	50	25	11	20	2	16	19
Decemb.	10	13	33	18	7	34	24	20	22	2	9	34

1681.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	9	7	52	16	17	25	23	10	6	1 31	4 0	18 27
February	7	23	48	15	0	37	21	23	6	*No 2. Qu.*		
March	9	12	43	16	6	45	23	13	24	1 31	20 15	45 15
April	7	23	3	14	13	24	22	4	29	30	7	34
May	7	7	11	13	21	47	21	19	58	29	20	41
June	5	13	7	12	8	53	20	10	45	28	6	24
July	4	21	41	11	22	40	20	1	18	27	14	25
August	3	4	57	10	14	3	18	14	20	25	20	7
Septem.	1	14	43	9	8	9	17	4	5	24	1	3
October	1 30	3 18	9 43	9	3	20	16	16	4	23	8	1
Novem.	29	12	56	7	22	38	15	5	8	21	17	5
Decemb.	29	8	26	7	16	36	14	13	52	21	8	8

1682.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	28	3	32	6	8	21	13	0	12	19	23	20
February	26	20	48	4	20	58	11	11	25	18	17	37
March	28	10	56	6	5	11	12	21	45	20	12	33
April	26	22	9	4	10	51	11	9	34	19	6	45
May	26	7	2	3	15	29	10	22	17	18	23	49
June	24	14	52	1	20	49	9	11	57	17	14	50
July	23	21	31	1 30	5 14	4 13	9	2	32	17	3	57
August	22	4	44	26	6	31	7	17	6	15	14	30
Septem.	20	13	59	28	0	2	6	9	34	13	23	0
October	20	1	18	27	19	39	6	1	4	13	5	58
Novem.	18	15	22	26	16	17	4	15	3	11	14	53
Decemb.	18	8	32	26	12	20	4	5	7	10	20	37

1683.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	17	3	10	25	6	22	2	18	28	9	7	5
February	15	21	57	23	21	6	1	2	39	7	20	17
March	17	15	39	25	7	36	2 31	7 21	58 45	9	11	32
April	16	6	46	23	14	28	30	7	5	8	4	15
May	15	19	26	22	18	37	29	17	40	7	21	32
June	14	5	40	20	22	31	28	5	12	6	14	34
July	13	14	15	20	5	40	27	19	3	6	7	4
August	11	22	9	18	12	43	26	10	31	4	22	31
Septem.	10	5	55	17	1	7	25	3	23	3	12	9
October	9	14	55	16	17	17	24	20	52	3	0	8
Novem.	8	1	26	15	12	25	23	13	42	1 30	10 17	2 42
Decemb.	7	14	16	15	9	21	23	5	2	30	1	34

1684.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	6	5	34	14	6	25	21	20	3	28	9	42
February	4	22	16	13	1	51	20	4	49	26	19	30
March	5	15	25	13	18	13	20	14	0	27	7	29
April	4	9	1	12	7	8	18	21	55	25	21	10
May	4	0	51	11	16	3	18	5	34	25	12	32
June	2	14	42	9	21	50	16	14	25	24	5	16
July	31 2	14 2	7 26	9	1	37	16	0	31	23	21	52
August	29	22	20	7	7	35	14	12	52	22	15	4
Septem.	28	7	33	5	12	20	13	8	0	21	7	40
October	27	16	46	4	21	20	12	21	5	20	23	0
Novem.	26	2	58	3	14	11	11	15	37	19	11	18
Decemb.	25	14	32	3	6	27	11	10	18	18	23	0

1685.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	24	3	38	2 31	2 23	28 4	10	3	34	17	7	5
February	22	18	19	*No*	1.	*Qu.*	8	17	52	15	13	59
March	24	9	45	2	20	4	10	5	49	16	20	58
April	23	1	35	1	9	44	8	14	58	15	5	25
May	22	18	1	1 30	3 14	29 57	7	22	48	14	15	59
June	21	7	49	28	23	10	6	5	0	13	4	40
July	20	21	22	28	4	50	5	13	4	12	19	41
August	19	10	10	26	9	19	3	21	41	11	12	37
Septem.	17	21	53	24	14	57	2	8	39	10	9	55
October	17	8	45	23	22	50	1 31	22 15	36 26	10	1	31
Novem.	15	20	16	22	10	52	30	10	24	8	19	42
Decemb	15	5	27	22	2	20	30	5	56	8	8	5

1686.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	13	11	59	20	20	50	28	22	12	7	1	12
February	12	1	26	20	15	37	27	16	20	5	7	57
March	13	14	2	21	11	1	29	6	56	6	18	39
April	12	4	32	20	5	13	27	15	1	5	0	7
May	11	16	9	19	21	18	26	23	0	4	5	41
June	10	9	16	18	11	42	25	5	55	2	12	50
July	9	23	59	17	21	57	24	12	40	1 31	23 1	
August	8	15	7	16	4	15	22	20	50	30	4	
Septem.	7	5	58	14	13	15	21	6	40	28	2	32
October	6	20	1	13	19	18	20	19	22	28	18	17
Novem.	5	9	16	12	2	13	19	11	24	27	14	30
Decemb.	4	21	4	11	13	5	19	5	15	27	9	21

1687.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	3	7	55	10	0	24	18	0	27	26	1	28
February	1	18	13	8	12	38	16	19	26	22	22	47
March	3	4	3	10	8	49	18	12	17	25	22	47
April	1	14	8	9	2	25	17	2	18	24	4	2
May	1 30	0 12	40 24	8	19	55	16	14	4	23	8	12
June	29	1	29	7	12	56	14	22	30	21	12	52
July	28	16	4	7	4	51	14	6	24	20	20	12
August	27	7	59	5	18	38	12	15	11	19	2	56
Septem.	26	0	29	4	6	2	10	21	30	17	21	16
October	25	10	50	3	14	10	10	6	49	17	14	53
Novem.	24	8	38	2	0	22	8	18	26	16	10	56
Decemb.	23	22.	30	1 30	7 15	16 16	8	8	31	16	8	5

1688.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	22	10	12	29	0	57	7	1	12	15	4	50
February	20	20	24	27	12	39	5	19	4	13	22	30
March	21	5	15	28	2	29	6	13	58	14	13	14
April	19	15	27	26	18	14	5	6	4	13	0	4
May	18	16	10	26	10	41	4	21	36	12	6	56
June	17	8	5	25	3	34	3	9	56	10	5	46
July	16	19	47	24	20	34	2	20	38	9	15	10
August	15	9	10	23	12	34	1 30	5 14	49 26	7	20	45
Septem.	14	0	49	22	3	42	28	23	0	6	4	28
October	13	18	40	21	16	59	28	8	12	5	16	56
Novem.	12	12	54	20	4	8	26	19	5	4	2	51
Decemb.	12	6	68	19	13	2	26	7	42	4	6	15

1689.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*	*D.*	*H.*	*M.*
January	10	22	10	17	20	26	24	22	12	3	1	2
February	9	11	21	26	3	41	23	14	12	1	11	56
March	10	21	57	17	12	17	25	16	4	3	17	8
April	9	6	32	15	22	42	23	23	0	2	9	31
May	8	13	34	15	11	21	23	14	19	1 31	22 7	26 40
June	6	22	8	14	1	51	22	4	18	29	13	56
July	6	5	28	17	13	54	21	16	58	28	18	7
August	4	15	21	12	11	13	20	4	17	26	22	38
Septem.	3	3	39	11	5	17	18	17	46	25	8	13
October	2	18	55	10	23	0	18	0	40	24	14	21
Novem.	1	12	35	9	15	35	16	10	30	23	5	22
Decemb.	1 31	1 3	42	9	6	0	15	22	2	22	22	42

1690.	New ☽			1 Quar.			Full ●			2 Quar.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.	D.	H.	M.
January	29	20	17	7	16	53	14	15	38	21	18	8
February	28	11	4	6	1	49	12	20	39	20	14	2
March	29	22	8	7	8	6	14	10	14	22	9	4
April	28	6	59	5	14	2	13	21	34	21	3	7
May	27	14	31	4	21	0	12	15	19	20	17	5
June	25	21	21	3	6	30	11	4	13	19	5	4
July	25	4	42	2	18	27	10	21	28	18	14	4
August	23	13	21	31 1	9 2	18 23	9	11	45	16	21	3
Septem.	22	0	32	29	21	12	8	1	42	15	3	8
October	21	13	10	29	15	19	7	14	26	14	10	3
Novem.	20	7	34	28	9	51	6	0	25	12	16	5
Decemb.	20	2	42	28	5	5	5	13	11	12	4	2

A Catalogue of the Eclipses visible in England, *from* 1678, *to the Year* 1690.

Year.	Month.	D.	H.	M.	Lun.	Dig.	Min.
1681	*August*	18	14	22	☽	10	35
1682	*August*	7	17	56	☽	18	50
1682	*February*	11	11	28	☽	19	48
1683	*January*	17	4	27	☉	10	30
1684	*June*	16	14	17	☽	1	35
1684	*July*	2	3	10	☉	8	0
1685	*November*	30	10	20	☽	21	45
1686	*November*	19	11	22	☽	7	35
1687	*May*	1	1	25	☉	1	40
1688	*April*	5	6	4	☽	6	49
1689	*March*	25	6	41	☽	21	19
1689	*September*	18	14	46	☽	20	39
1690	*March*	14	10	14	☽	5	53

By the Moon's Age, to find the time of High-Water at the Places following.

The Moon's Age.	*LONDON Tinmouth, Whitebay.*		*Berwick, Bridlington-bay.*		*Scarbrow* 4ter Tide, *Severn.*		*Newcaſtle, Falmouth, Dartmouth.*	
Days.	H.	M.	H.	M.	H.	M.	H.	M.
1 16	3	48	4	33	5	18	6	3
2 17	4	30	5	21	6	6	6	51
3 18	5	24	6	9	6	54	7	39
4 19	6	12	6	57	7	42	8	27
5 20	7	0	7	45	8	30	9	15
6 21	7	48	8	33	9	18	10	3
7 22	8	36	9	21	10	6	10	51
8 23	9	24	10	9	10	54	11	39
9 24	10	12	10	57	11	42	12	27
10 25	11	0	11	45	12	30	1	15
11 26	11	48	12	33	1	10	2	3
12 27	12	36	1	21	2	6	2	51
13 28	1	24	2	9	2	54	3	39
14 29	2	12	2	57	3	42	4	27
15 30	3	0	3	45	4	30	5	15

The Moon's Age.	*Queenbor. Southampt. Portſmouth.*		*Rocheſter,* Weſt end of *Nowr.*		*Graveſend, Downs, Blackneſs.*		*Dundee, S. Andrews, Bell Iſle.*	
Days.	H.	M.	H.	M.	H.	M.	H.	M.
1 16	12	48	1	33	2	18	3	3
2 17	1	36	2	21	3	6	3	51
3 18	2	24	3	9	3	54	4	39
4 19	3	12	3	57	4	42	5	27
5 20	4	0	4	45	5	30	6	15
6 21	4	48	5	33	6	18	7	3
7 22	5	36	6	21	7	6	7	51
8 23	6	24	7	9	7	54	8	39
9 24	7	12	7	57	8	42	9	27
10 25	8	0	8	45	9	30	10	15
11 26	8	48	9	33	10	18	11	3
12 27	9	36	10	21	11	6	11	51
13 28	10	24	11	9	11	54	12	39
14 29	11	12	11	57	12	42	1	27
15 30	12	0	12	45	1	30	2	15

The Uſe of the Table of the Changes *of the* Moon.

BEfore I ſet down any Example, I think it requiſite to advertize you, That in the Computation of Hours in this Table, the firſt is to be reckoned from Noon, ſo that the ſixth day 23 hours, is 11 of the Clock the ſeventh day; this being premiſed, I ſhall give you only two Examples to illuſtrate this Table.

Example 1.

On what Day is the Moon at Full in May, 1679?

Having found the Table for 1679, I ſeek for *May* in the firſt Column, and having found it, I find right againſt it in the fourth Column (under the Title *Full Moon*) 15:0:23, which is the fifteenth day near half an hour paſt 12, and then is the Moon at Full; and after this manner is the time of New Moon, *&c.* found.

Example 2.

What is the Moon's Age March 25, 1680?

By the Table for 1680, I find the New Moon to be on the 20*th* day; wherefore it neceſſarily follows, that on the 25*th* day the Moon muſt be 5 days old.

The Uſe of the TIDE-TABLE.

Example.

What Hour is it High-Water at London-Bridge *on* March 25, 1680?

Having by the foregoing Rules found the Moon to be then 5 days old, I ſeek that Number in the firſt Column under the Moon's Age, and right againſt it under *London* in the ſecond Column I find 7:0, from whence I conclude, that it will be High-Water there at 7 of the Clock that day. And having the Moon's Age, you may readily find the time of High-Water at any of the Places mentioned in the Table, in their reſpective Columns.

A Cal-

A Catalogue of the Counties, Cities, Market-Towns, and Parishes, in England *and* Wales.

Counties in *England.*	*Cities.*	*Mark. T.*	*Parishes.*
Bedford		10	116
Berks		11	140
Buckingham		11	185
Cambridge		8	163
Chester	1	13	68
Cornwall		23	161
Cumberland	1	9	58
Darby		8	106
Devon	1	40	324
Dorset		18	248
Durham	1	6	118
Essex	1	21	415
Glocester	1	25	280
Hantshire	1	18	253
Hertford		18	120
Hereford	1	8	176
Huntington		6	78
Kent	2	17	398
Lancaster		15	36
Leicester	1	12	200
Lincoln	1	30	630
Middlesex	2	18	73
Norfolk	1	27	660
Northampton	1	11	326
Northumberl.		5	47
Nottingham		8	168
Oxford	1	10	280
Rutland		2	47
Salop		13	170
Somerset	3	29	385
Stafford	1	12	130
Suffolk		18	575
Surrey		7	140
Sussex	1	18	312
Warwick		15	158
Westmorland		4	26
Wilts	1	21	304
Worcester	1	7	132
York	1	46	563
			5895
Counties in *Wales.*			5773
			5868
Angleſey		2	74
Brecknock		3	61
Cardigan		4	64
Carmarthen		6	87
Carnarvan		5	68
Denbigh		3	57
Flint		3	28
Glamorgan		6	118
Merioneth		3	37
Monmouth		6	127
Montgomery		6	47
Pembrook		5	145
Radnor		5	52

5773

By the Day.		By the Week.			By the Month.			By the Year.		
s.	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
0	1	0	0	7	0	2	4	1	10	5
0	2	0	1	2	0	4	8	3	0	10
0	3	0	1	9	0	7	0	4	11	3
0	4	0	2	4	0	9	4	6	1	8
0	5	0	2	11	0	11	8	7	12	1
0	6	0	3	6	0	14	0	9	2	6
0	7	0	4	1	0	16	4	10	12	11
0	8	0	4	8	0	18	8	12	3	4
0	9	0	5	3	1	1	0	13	13	9
0	10	0	5	10	1	3	4	15	4	2
0	11	0	6	5	1	5	8	16	14	7
1	0	0	7	0	1	8	0	18	5	0
2	0	0	14	0	2	16	0	36	10	0
3	0	1	1	0	4	4	0	54	15	0
4	0	1	8	0	5	12	0	73	0	0
5	0	1	15	0	7	0	0	91	5	0
6	0	2	2	0	8	8	0	109	10	0
7	0	2	9	0	9	16	0	127	15	0
8	0	2	16	0	11	4	0	146	0	0
9	0	3	3	0	12	12	0	164	5	0
10	0	3	10	0	14	0	0	182	10	0
11	0	3	17	0	15	8	0	200	15	0
12	0	4	4	0	16	16	0	219	0	0
13	0	4	11	0	18	4	0	237	5	0
14	0	4	18	0	19	12	0	255	10	0
15	0	5	5	0	21	0	0	273	15	0
16	0	5	12	0	22	8	0	292	0	0
17	0	5	19	0	23	16	0	310	5	0
18	0	6	6	0	25	4	0	328	10	0
19	0	6	13	0	26	12	0	346	15	0
20	0	7	0	0	28	0	0	365	0	0

Note, That in these Tables of Expence a M
consists but of 28 Days.

By the Year.	By the Month.			By the Week.			By the Day.		
l.	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	1	6.46	0	0	4.62	0	0	0.66
2	0	3	0.92	0	0	9.23	0	0	1.32
3	0	4	7.38	0	1	1.85	0	0	1.97
4	0	6	1.84	0	1	6.46	0	0	2.63
5	0	7	8.30	0	1	11.08	0	0	3.29
6	0	9	2.77	0	2	3.69	0	0	3.95
7	0	10	9.23	0	2	8.31	0	0	4.60
8	0	12	3.69	0	3	0.93	0	0	5.26
9	0	13	10.15	0	3	5.54	0	0	5.92
10	0	15	4.61	0	3	10.16	0	0	6.58
11	0	16	11.07	0	4	2.77	0	0	7.23
12	0	18	5.54	0	4	7.39	0	0	7.89
13	1	0	0.00	0	5	0.00	0	0	8.55
14	1	1	6.46	0	5	4.62	0	0	9.21
15	1	3	0.92	0	5	9.24	0	0	9.86
16	1	4	7.38	0	6	1.85	0	0	10.52
17	1	6	1.84	0	6	6.47	0	0	11.18
18	1	7	8.30	0	6	11.08	0	0	11.84
19	1	9	2.76	0	7	3.70	0	1	0.49
20	1	10	9.23	0	7	8.31	0	1	1.15
30	2	6	1.84	0	11	6.47	0	1	7.73
40	3	1	6.45	0	15	4.63	0	2	2.30
50	3	16	11.06	0	19	2.78	0	2	8.88
60	4	12	3.68	1	3	0.94	0	3	3.45
70	5	7	8.29	1	6	11.10	0	3	10.03
80	6	3	0.90	1	10	9.25	0	4	4.60
90	6	18	5.52	1	14	7.41	0	4	11.18
100	7	13	10.13	1	18	5.57	0	5	5.75
200	15	7	8.26	3	16	11.14	0	10	11.51
300	23	1	6.38	5	15	4.70	0	16	5.26
400	30	15	4.51	7	13	10.27	1	1	11.01
500	38	9	2.64	9	12	3.84	1	7	4.77
1000	76	18	5.28	19	4	7.68	2	14	9.53

A Table of KINGS *since the Conquest.*

Kings Names.	Born	Began to Reign		Reign. Y.	Reign. M.	Buried at
W. Conq.	1023	1066	*Octo.* 14	20	11	*Caen. Nor.*
W. Rufus	1057	1087	*Sep.* 9	12	11	*Wincheſter.*
Henry 1	1068	1100	*Aug.* 1	35	4	*Reading.*
Stephen	1105	1135	*Dec.* 2	18	11	*Feverſham.*
The *Saxon* Line Reſtored.						
Henry 2	1132	1154	*Octo.* 25	34	9	*Fountev.*
Richard 1	1155	1189	*July* 6	9	9	*Fountev.*
John	1165	1199	*April* 6	17	7	*Worceſter.*
Henry 3	1207	1216	*Octo.* 19	56	1	*Weſtminſter.*
Edward 1	1239	1272	*Nov.* 16	34	8	*Weſtminſter.*
Edward 2	1283	1307	*July* 7	19	7	*Gloceſter.*
Edward 3	1312	1326	*Jan.* 25	50	5	*Weſtminſter.*
Richard 2	1366	1377	*June* 21	22	3	*Weſtminſter.*
The Line of *Lancaſter.*						
Henry 4	1367	1399	*Sept.* 29	13	6	*Canterbury.*
Henry 5	1384	1412	*Mar.* 20	9	5	*Weſtminſter.*
Henry 6	1421	1422	*Aug.* 31	38	6	*Windſor.*
The Line of *York.*						
Edward 4	1442	1460	*Mar.* 4	22	1	*Wincheſter.*
Edward 5	1471	1483	*April* 9	0	2	not known
Richard 3	1448	1483	*June* 22	2	2	*Leiceſter.*
The Families United.						
Henry 7	1455	1485	*Aug.* 22	23	8	*Weſtminſter.*
Henry 8	1491	1509	*April* 22	37	10	*Windſor.*
Edward 6	1537	1546	*Jan.* 28	6	5	*Weſtminſter.*
Q. Mary.	1518	1553	*July* 6	5	4	*Weſtminſter*
Q. Eliz.	1533	1558	*Nov.* 17	44	4	*Weſtminſter*
The Union of the two Kingdoms.						
James	1566	1602	*Mar.* 24	22	0	*Weſtminſter.*
Charles 1	1600	1625	*Mar.* 27	23	11	*Windſor.*
Charles 2	1630	1648	*Jan* 30	*God grant long to Reig*		

Comp

W. Conq.	
A.R.	*A.Ch.*
1	1066
2	1067
3	1068
4	1069
5	1070
6	1071
7	1072
8	1073
9	1074
10	1075
11	1076
12	1077
13	1078
14	1079
15	1080
16	1081
17	1082
18	1083
19	1084
20	1085
21	1086
22	1087

W. Rufus.	
1	1087
2	1088
3	1089
4	1090
5	1091
6	1092
7	1093
8	1094
9	1095
10	1096
11	1097
12	1098
13	1099
14	1100

Will. Rufus.	
A.R.	*A.Ch.*
10	1096
11	1097
12	1098
13	1099
14	1100

Henry I.	
1	1100
2	1101
3	1102
4	1103
5	1104
6	1105
7	1106
8	1107
9	1108
10	1109
11	1110
12	1111
13	1112
14	1113
15	1114
16	1115
17	1116
18	1117
19	1118
20	1119
21	1120
22	1121
23	1122
24	1123
25	1124
26	1125

Henry I.	
A.R.	*A.Ch.*
27	1126
28	1127
29	1128
30	1129
31	1130
32	1131
33	1132
34	1133
35	1134
36	1135

Stephen.	
1	1135
2	1136
3	1137
4	1138
5	1139
6	1140
7	1141
8	1142
9	1143
10	1144
11	1145
12	1146
13	1147
14	1148
15	1149
16	1150
17	1151
18	1152
19	1153
20	1154

Henry II.	
A.R.	*A.Ch.*
1	1154
2	1155
3	1156
4	1157
5	1158
6	1159
7	1160
8	1161
9	1162
10	1163
11	1164
12	1165
13	1166
14	1167
15	1168
16	1169
17	1170
18	1171
19	1172
20	1173
21	1174
22	1175
23	1176
24	1177
25	1178
26	1179
27	1180
28	1181
29	1182
30	1183
31	1184
32	1185
33	1186
34	1187

Henry II.	
A.R.	*A.Ch.*
35	1188
36	1189

Richar. I.	
1	1189
2	1190
3	1191
4	1192
5	1193
6	1194
7	1195
8	1196
9	1197
10	1198
11	1199

John.	
1	1199
2	1200
3	1201
4	1202
5	1203
6	1204
7	1205
8	1206
9	1207
10	1208
11	1209
12	1210
13	1211
14	1212
15	1213
16	1214
17	1215
18	1216

Henr. III	
1	1216
2	1217
3	1218
4	1219
5	1220
6	1221
7	1222
8	1223
9	1224
10	1225
11	1226
12	1227
13	1228
14	1229
15	1230
16	1231
17	1232
18	1233
19	1234
20	1235
21	1236
22	1237
23	1238
24	1239
25	1240
26	1241
27	1242
28	1243

Henry III.	
A.R.	*A.Ch.*
29	1244
30	1245
31	1246
32	1247
33	1248
34	1249
35	1250
36	1251
37	1252
38	1253
39	1254
40	1255
41	1256
42	1257
43	1258
44	1259
45	1260
46	1261
47	1262
48	1263
49	1264
50	1265
51	1266
52	1267
53	1268
54	1269
55	1270
56	1271
57	1272

Edwar. I.	
1	1272
2	1273

Edward I.	
A.R.	*A.Ch.*
3	1274
4	1275
5	1276
6	1277
7	1278
8	1279
9	1280
10	1281
11	1282
12	1283
13	1284
14	1285
15	1286
16	1287
17	1288
18	1289
19	1290
20	1291
21	1292
22	1293
23	1294
24	1295
25	1296
26	1297
27	1298
28	1299
29	1300
30	1301
31	1302
32	1303
33	1304
34	1305
35	1306
36	1307

EDW. II.	
A.R.	*A.Ch.*
1	1307
2	1308
3	1309
4	1310
5	1311
6	1312
7	1313
8	1314
9	1315
10	1316
11	1317
12	1318
13	1319
14	1320
15	1321
16	1322
17	1323
18	1324
19	1325
20	1326

EDW. III.	
1	1326
2	1327
3	1328
4	1329
5	1330
6	1331
7	1332
8	1333
9	1334
10	1335
11	1336

Edward III.	
A.R.	*A Ch.*
12	1337
13	1338
14	1339
15	1340
16	1341
17	1342
18	1343
19	1344
20	1345
21	1346
22	1347
23	1348
24	1349
25	1350
26	1351
27	1352
28	1353
29	1354
30	1355
31	1356
32	1357
33	1358
34	1359
35	1360
36	1361
37	1362
38	1363
39	1364
40	1365
41	1366
42	1367
43	1368
44	1369
45	1370
46	1371

Edward III.	
A.R.	*A.Ch.*
47	1372
48	1373
49	1374
50	1375
51	1376
52	1377

RICH. II.	
1	1377
2	1378
3	1379
4	1380
5	1381
6	1382
7	1383
8	1384
9	1385
10	1386
11	1387
12	1388
13	1389
14	1390
15	1391
16	1392
17	1393
18	1394
19	1395
20	1396
21	1397
22	1398
23	1399

HENR. IV.	
A.R.	*A.Ch.*
1	1399
2	1400
3	1401
4	1402
5	1403
6	1404
7	1405
8	1406
9	1407
10	1408
11	1409
12	1410
13	1411
14	1412

HENRY V.	
1	1412
2	1413
3	1414
4	1415
5	1416
6	1417
7	1418
8	1419
9	1420
10	1421
11	1422

HENR. VI.	
1	1422
2	1423
3	1424
4	1425
5	1426

Henry VI.		EDW. IV.		HEN. VII		Henry VIII.	
A.R.	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*
6	1427	1	1460	1	1485	7	1515
7	1428	2	1461	2	1486	8	1516
8	1429	3	1462	3	1487	9	1517
9	1430	4	1463	4	1488	10	1518
10	1431	5	1464	5	1489	11	1519
11	1432	6	1465	6	1490	12	1520
12	1433	7	1466	7	1491	13	1521
13	1434	8	1467	8	1492	14	1522
14	1435	9	1468	9	1493	15	1523
15	1436	10	1469	10	1494	16	1524
16	1437	11	1470	11	1495	17	1525
17	1438	12	1471	12	1496	18	1526
18	1439	13	1472	13	1497	19	1527
19	1440	14	1473	14	1498	20	1528
20	1441	15	1474	15	1499	21	1529
21	1442	16	1475	16	1500	22	1530
22	1443	17	1476	17	1501	23	1531
23	1444	18	1477	18	1502	24	1532
24	1445	19	1478	19	1503	25	1533
25	1446	20	1479	20	1504	26	1534
26	1447	21	1480	21	1505	27	1535
27	1448	22	1481	22	1506	28	1536
28	1449	23	1482	23	1507	29	1537
29	1450	24	1483	24	1508	30	1538
30	1451			25	1509	31	1539
31	1452					32	1540
32	1453	EDW. V.				33	1541
33	1454	1	1483	HEN. VIII.		34	1542
34	1455					35	1543
35	1456			1	1509	36	1544
36	1457	RICH. III.		2	1510	37	1545
37	1458			3	1511	38	1546
38	1459	1	1483	4	1512		
39	1460	2	1484	5	1513		
		3	1485	6	1514		

Edw. VI.		Q. Elizabeth.		James.		Charles I.	
A.R.	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*
1	1546	13	1570	1	1602	8	1632
2	1547	14	1571	2	1603	9	1633
3	1548	15	1572	3	1604	10	1634
4	1549	16	1573	4	1605	11	1635
5	1550	17	1574	5	1606	12	1636
6	1551	18	1575	6	1607	13	1637
7	1552	19	1576	7	1608	14	1638
8	1553	20	1577	8	1609	15	1639
		21	1578	9	1610	16	1640
		22	1579	10	1611	17	1641
Q. Mary.		23	1580	11	1612	18	1642
		24	1581	12	1613	19	1643
1	1553	25	1582	13	1614	20	1644
2	1554	26	1583	14	1615	21	1645
3	1555	27	1584	15	1616	22	1646
4	1556	28	1585	16	1617	23	1647
5	1557	29	1586	17	1618	24	1648
6	1558	30	1587	18	1619		
		31	1588	19	1620		
		32	1589	20	1621	Charl. II.	
		33	1590	21	1622		
Q. Elizab.		34	1591	22	1623	1	1648
		35	1592	23	1624	2	1649
1	1558	36	1593	24	1625	3	1650
2	1559	37	1594			4	1651
3	1560	38	1595			5	1652
4	1561	39	1596	Charl. I.		6	1653
5	1562	40	1597			7	1654
6	1563	41	1598	1	1625	8	1655
7	1564	42	1599	2	1626	9	1656
8	1565	43	1600	3	1627	10	1657
9	1566	44	1601	4	1628	11	1658
10	1567	45	1602	5	1629	12	1659
11	1568			6	1630	13	1660
12	1569			7	1631	14	1661

Charles II.		Charles II.		Charles II.		Charles II.	
A.R.	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*	*A.R.*	*A.Ch.*
15	1662	27	1674	39	1686	51	1698
16	1663	28	1675	40	1687	52	1699
17	1664	29	1676	41	1688	53	1700
18	1665	30	1677	42	1689	54	1701
19	1666	31	1678	43	1690	55	1702
20	1667	32	1679	44	1691	56	1703
21	1668	33	1680	45	1692	57	1704
22	1669	34	1681	46	1693	58	1705
23	1670	35	1682	47	1694	59	1706
24	1671	36	1683	48	1695	60	1707
25	1672	37	1684	49	1696	61	1708
26	1673	38	1685	50	1697	62	1709

By this and the former *Regal Table*, may eaſily be found the year of each King's Reign correſponding to the year of our Lord, always remembring to begin the year of our Lord, from *March* 25.

Example.

I have a Deed bearing Date the 17*th* of *May*, in the Two and Twentieth Year of the Reign of King *Charles* the Second, but the Year of our Lord is omitted; I deſire to know in what Year of our Lord this Deed was made?

I find by this Table that the beginning of the Two and Twentieth Year of the King's Reign is in 1669, but I cannot find here what Month his Reign began in; wherefore I turn to the firſt *Regal Table*, and find there that he began his Reign the 30*th* of *January*, 1648. from whence I conclude, that the 17*th* of *May* in the firſt Year of his Reign muſt be in the Year of our Lord 1649, which proves by conſequence that the 17*th* of *May*, in the Two and Twentieth Year of his Reign muſt be in the Year of our Lord 1670.

REDUC-

REDUCTION OF
VVEIGHTS
AND
MEASURES.

Troy Weight.			*Grains.*
	Peny-weight.		24
	Ounces.	20	480
Pound.	12	240	5760

BY *Troy Weight* is weighed Gold, Silver, Jewels, Amber, Electuaries, Bread Corn, and Liquors; and from this Weight all Meaſures for wet and dry Commodities are taken.

The Pound *Troy* is in proportion to the Pound *Averdupois* as 17 to 14, and the Ounce as 51 to 56.

Gold to Silver is in proportion as 12 to 1, and the value of both in *England* is as follows: One Peny-weight of Angel Gold is worth 4 *s* 2 *d*. 2 *q*. of Crown Gold 3 *s*. 10 *d*. 2 *q*. and of Soveraign 3 *s*. 6 *d*. 2 *q*. The Standard of Sterling Silver is 11 Ounces, and 2 Peny-weight of fine Silver, and 18 Peny-weight of Alloy of Copper; ſo that 12 Ounces of pure Silver without any Alloy is worth 3 *l*. 4 *s*. 6 *d*. and an Ounce 5 *s*. 4 *d*. 2 *q*. but with Alloy the Pound is worth no more than 3 *l*. and the Ounce 5 *s*.

The

The Standard for Gold is in the Pound Troy 11 Ounc of fine Gold, and 1 Ounce of Alloy.

Our Gold is of equal fineneſs with the *Spaniſh*, *Fren* and *Flemiſh*; but our Silver Coin has leſs of Alloy in than either *French* or *Dutch*.

When Wheat is at 5 Shillings *per* Buſhel, then a Pe Wheaten Loaf is to weigh 11 Ounces *Troy*, and Thr Half-peny White Loaves the like weight; and t Houſhold Peny Loaf is to weigh 14 $\frac{2}{3}$ Ounces; and for a greater or leſſer weight proportionably: And a Baker want but one Ounce in 36, for the firſt, ſecon and third fault he may be amerced, but for the fourth is to ſtand in the Pillory without redemption.

Apothecaries Weight.

				Grains.
			Scruples.	20
		Drams.	3	60
	Ounces.	8	24	480
Pound.	12	96	288	5760

Apothecaries in making up their Medicines uſe t Weight, but they buy and ſell their Drugs by t *Averdupois*.

Averdupois Weight.

				Drams.
			Ounces.	16
		Pounds.	16	256
	Quarters.	28	448	7168
Hundreds.	4	112	1792	28672
Tun. 20	80	2240	35840	573440

By *Averdupois* Weight is weighed all manner of thin that have waſte, as all Phyſical Drugs and Grocery, Ro

Wa

ax, Pitch, Tar, Tallow, Soap, Hemp, Flax, *&c.* all e Metals and Minerals, as Iron, Steel, Lead, Tin, pper, Alum, Copperas, *&c.* The Tun *Averdupois* o Hundred of all things, except Lead, which has t 19 Hundred and a half to the Tun or Fodder. The ndred Weight *Averdupois* contains 112 Pound, the lf Hundred 56 Pound, the Quarter 28 Pound, the ne (or half Quarter of the Hundred) 14 Pound; d thus is Iron and Shot weighed; but Alom, Cinan, Nutmegs, Pepper, and Sugar, have but 13 und and a half to the Stone, or half Quarter of the ndred, 27 Pound to the Quarter, 54 Pound to the lf, and 108 Pound to the whole Hundred. *Eſſex* heeſe and Butter are weighed by the Clove, or half one, allowing 8 Pound to each Clove, and 32 Cloves, 256 Pound to the Wey; and in *Suffolk* they allow 42 loves, or 336 Pound to the Wey. Wool is ſold by the love, allowing but 7 Pound to the Clove, 14 Pound to the Stone, 28 Pound to the Tod, 182 Pound to the Wey, 364 Pound to the Sack, and 4368 Pound to the Laſt. A Fagot of Steel is 120 Pound. A burden of Gad Steel is 9 Score, or 180 Pound. 56 Pound of Butter, or 0 Pound of Soap make a Firkin, and 2 Firkins of either ke a Barrel. *Butchers* allow but 8 Pound to the Stone.

Ale Meaſure. — *Pints.*

				Quarts.	2
			Pottles.	2	4
		Gallons.	2	4	8
	Firkins.	8	16	32	64
Kilderkins.	2	16	32	64	128
Barrel.	2	4	32	64	128	256

Veſſels for Butter, Fiſh, and Soap, are made after the e Meaſure, 12 Ale Barrels making a Laſt.

Beer

Beer Measure.

					Quarts.	*Pints*
				Pottles.	2	4
			Gallons.	2	4	8
		Firkins.	9	18	36	72
	Kilderkins.	2	18	36	72	144
Barrel.	2	4	36	72	144	288

Wine Measure.

			Gallons.			*Gallons*
	Hogsheads.		63	*Tierce.*		42
Pipe or But.		2	126		2	84
Tun.	2	4	252		3	126

Dry Measures.

							Pi
						Quarts.	2
					Pottles.	2	4
				Gallons.	2	4	8
			Pecks	2	4	8	16
		Bushels.	4	8	16	32	64
	Quarters.	8	32	64	128	256	512
Wey.	5	40	160	320	640	1280	256
Last.	2 10	80	320	640	1280	2560	512

A Bushel Water-Measure contains 5 Pecks. S make 6 Quarters of Meal a Wey, and 1 Wey 3 Q ters a Last.

Long Measure.

					Inches.
				Feet.	12
			Yards.	3	36
		Poles.	$5\frac{1}{2}$	$16\frac{1}{2}$	198
	Furlongs.	40	220	660	7920
Mile.	8	320	1760	5280	63360

Superficial or Square Measure.

					Feet.
				Yards.	9
			Poles.	$30\frac{1}{4}$	$272\frac{1}{4}$
		Roods.	40	1210	10890
	Acres.	4	160	4840	43560
Mile.	640	2560	102400	3097600	27878400

In this laſt Table you have in a ſquare Mile 640 ſquare Acres, 2560 ſquare Roods, *&c.* in a ſquare Acre 4 ſquare Roods, 160 ſquare Poles, *&c.* in a ſquare Pole $30\frac{1}{4}$ ſquare Yards, and $272\frac{1}{4}$ ſquare Inches; and in a ſquare Yard 9 ſquare Feet. Which being rightly underſtood, all theſe Tables of Reduction are ſufficiently explained.

A Table

A Table for the Reduction of Pounds in Shillings, Pence, and Farthings.

	Pence.	Farthin.	Shillin.	Pence.	Farthi.
	1	4	5	60	240
	2	8	6	72	288
	3	12	7	84	336
	4	16	8	96	384
	5	20	9	108	432
	6	24	10	120	480
	7	28	11	132	528
	8	32	12	144	576
	9	36	13	156	624
	10	40	14	168	672
Shill.	11	44	15	180	720
1	12	48	16	192	768
2	24	96	17	204	816
3	36	144	18	216	864
4	48	192	19	228	912

Pounds.	Shillings.	Pence.	Farthings.
1	20	240	960
2	40	480	1920
3	60	720	2880
4	80	960	3840
5	100	1200	4800
6	120	1440	5760
7	140	1680	6720
8	160	1920	7680
9	180	2160	8640
10	200	2400	9600

A TABLE

FOR

he ready Casting up any Number of Farthings, Half-pence, Pence, or Shillings; where may be found by Inspection what the Great Hundred comes to, at any Rate the Pound, from One Farthing to Ten Shillings.

	l.	*s.*	*d.*	*q.*
1	0	0	0	1
2	0	0	0	2
3	0	0	0	3
4	0	0	1	0
5	0	0	1	1
6	0	0	1	2
7	0	0	1	3
8	0	0	2	0
9	0	0	2	1
10	0	0	2	2
11	0	0	2	3
12	0	0	3	0
13	0	0	3	1
14	0	0	3	2
15	0	0	3	3
16	0	0	4	0
17	0	0	4	1
18	0	0	4	2
19	0	0	4	3
20	0	0	5	0
21	0	0	5	1
22	0	0	5	2
23	0	0	5	3
24	0	0	6	0
25	0	0	6	1
26	0	0	6	2
27	0	0	6	3
(28)	0	0	7	0
29	0	0	7	1
30	0	0	7	2
31	0	0	7	3
32	0	0	8	0
33	0	0	8	1
34	0	0	8	2
35	0	0	8	3
36	0	0	9	0
37	0	0	9	1
38	0	0	9	2
39	0	0	9	3
40	0	0	10	0
50	0	1	0	2
(56)	0	1	2	0
60	0	1	3	0
70	0	1	5	2
80	0	1	8	0
(84)	0	1	9	0
90	0	1	10	2
100	0	2	1	0
(112)	0	2	4	0
200	0	4	2	0
(224)	0	4	8	0
300	0	6	3	0
(336)	0	7	0	0
400	0	8	4	0
(448)	0	9	4	0
500	0	10	5	0
(560)	0	11	8	0
600	0	12	6	0
(672)	0	14	0	0
700	0	14	7	0
(784)	0	16	4	0
800	0	16	8	0
(896)	0	18	8	0
900	0	18	9	0
1000	1	0	10	0
2000	2	1	8	0
3000	3	2	6	0
4000	4	3	4	0
5000	5	4	2	0
10000	10	8	4	0

	l.	s.	d.	q
1	0	0	0	2
2	0	0	1	0
3	0	0	1	2
4	0	0	2	0
5	0	0	2	2
6	0	0	3	0
7	0	0	3	2
8	0	0	4	0
9	0	0	4	2
10	0	0	5	0
11	0	0	5	2
12	0	0	6	0
13	0	0	6	2
14	0	0	7	0
15	0	0	7	2
16	0	0	8	0
17	0	0	8	2
18	0	0	9	0
19	0	0	9	2
20	0	0	10	0
21	0	0	10	2
22	0	0	11	0
23	0	0	11	2
24	0	1	0	0
25	0	1	0	2
26	0	1	1	0
27	0	1	1	2
28	0	1	2	0
29	0	1	2	2
30	0	1	3	0
31	0	1	3	2
32	0	1	4	0
33	0	1	4	2
34	0	1	5	0
35	0	1	5	2

	l.	s.	d.	q.
36	0	1	6	0
37	0	1	6	2
38	0	1	7	0
39	0	1	7	2
40	0	1	8	0
50	0	2	1	0
(56)	0	2	4	0
60	0	2	6	0
70	0	2	11	0
80	0	3	4	0
(84)	0	3	6	0
90	0	3	9	0
100	0	4	2	0
(112)	0	4	8	0
200	0	8	4	0
(224)	0	9	4	0
300	0	12	6	0
(336)	0	14	0	0
400	0	16	8	0
(448)	0	18	8	0
500	1	0	10	0
(560)	1	3	4	0
600	1	5	0	0
(672)	1	8	0	0
700	1	9	2	0
(784)	1	12	8	0
800	1	13	4	0
(896)	1	17	4	0
900	1	17	6	0
1000	2	1	8	0
2000	4	3	4	0
3000	6	5	0	0
4000	8	6	8	0
5000	10	8	4	0
10000	20	16	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	0	3
2	0	0	1	2
3	0	0	2	1
4	0	0	3	0
5	0	0	3	3
6	0	0	4	2
7	0	0	5	1
8	0	0	6	0
9	0	0	6	3
10	0	0	7	2
11	0	0	8	1
12	0	0	9	0
13	0	0	9	3
14	0	0	10	2
15	0	0	11	1
16	0	1	0	0
17	0	1	0	3
18	0	1	1	2
19	0	1	2	1
20	0	1	3	0
21	0	1	3	3
22	0	1	4	2
23	0	1	5	1
24	0	1	6	0
25	0	1	6	3
26	0	1	7	2
27	0	1	8	1
(28)	0	1	9	0
29	0	1	9	3
30	0	1	10	2
31	0	1	11	1
32	0	2	0	0
33	0	2	0	3
34	0	2	1	2
35	0	2	2	1

	l.	*s.*	*d.*	*q.*
36	0	2	3	0
37	0	2	3	3
38	0	2	4	2
39	0	2	5	1
40	0	2	6	0
50	0	3	1	2
(56)	0	3	6	0
60	0	3	9	0
70	0	4	4	2
80	0	5	0	0
(84)	0	5	3	0
90	0	5	7	2
100	0	6	3	0
(112)	0	7	0	0
200	0	12	6	0
(224)	0	14	0	0
300	0	18	9	0
(336)	1	1	0	0
400	1	5	0	0
(448)	1	8	0	0
500	1	11	3	0
(560)	1	15	0	0
600	1	17	6	0
(672)	2	2	0	0
700	2	3	9	0
(784)	2	9	0	0
800	2	10	0	0
(896)	2	16	0	0
900	2	16	3	0
1000	3	2	6	0
2000	6	5	0	0
3000	9	7	6	0
4000	12	10	0	0
5000	15	12	6	0
10000	31	5	0	0

	l.	s.	d.
1	0	0	1
2	0	0	2
3	0	0	3
4	0	0	4
5	0	0	5
6	0	0	6
7	0	0	7
8	0	0	8
9	0	0	9
10	0	0	10
11	0	0	11
12	0	1	0
13	0	1	1
14	0	1	2
15	0	1	3
16	0	1	4
17	0	1	5
18	0	1	6
19	0	1	7
20	0	1	8
21	0	1	9
22	0	1	10
23	0	1	11
24	0	2	0
25	0	2	1
26	0	2	2
27	0	2	3
(28)	0	2	4
29	0	2	5
30	0	2	6
31	0	2	7
32	0	2	8
33	0	2	9
34	0	2	10
35	0	2	11
36	0	3	0
37	0	3	1
38	0	3	2
39	0	3	3
40	0	3	4
50	0	4	2
(56)	0	4	8
60	0	5	0
70	0	5	10
80	0	6	8
(84)	0	7	0
90	0	7	6
100	0	8	4
(112)	0	9	4
200	0	16	8
(224)	0	18	8
300	1	5	0
(336)	1	8	0
400	1	13	4
(448)	1	17	4
500	2	1	8
(560)	2	6	8
600	2	10	0
(672)	2	16	0
700	2	18	4
(784)	3	5	4
800	3	6	8
(896)	3	14	8
900	3	15	0
1000	4	3	4
2000	8	6	8
3000	12	10	0
4000	16	13	4
5000	20	16	8
10000	41	13	4

	l.	*s.*	*d.*	*q.*
1	0	0	1	1
2	0	0	2	2
3	0	0	3	3
4	0	0	5	0
5	0	0	6	1
6	0	0	7	2
7	0	0	8	3
8	0	0	10	0
9	0	0	11	1
10	0	0	0	2
11	0	1	1	3
12	0	1	3	0
13	0	1	4	1
14	0	1	5	2
15	0	1	6	3
16	0	1	8	0
17	0	1	9	1
18	0	1	10	2
19	0	1	11	3
20	0	2	1	0
21	0	2	2	1
22	0	2	3	2
23	0	2	4	3
24	0	2	6	0
25	0	2	7	1
26	0	2	8	2
27	0	2	9	3
(28)	0	2	11	0
29	0	3	0	1
30	0	3	1	2
31	0	3	2	3
32	0	3	4	0
33	0	3	5	1
34	0	3	6	2
35	0	3	7	3
36	0	3	9	0
37	0	3	10	1
38	0	3	11	2
39	0	4	0	3
40	0	4	2	0
50	0	5	2	2
(56)	0	5	10	0
60	0	6	3	0
70	0	7	3	2
80	0	8	4	0
(84)	0	8	9	0
90	0	9	4	2
100	0	10	5	0
(112)	0	11	8	0
200	1	0	10	0
(224)	1	3	4	0
300	1	11	3	0
(336)	1	15	0	0
400	2	1	8	0
(448)	2	6	8	0
500	2	12	1	0
(560)	2	18	4	0
600	3	2	6	0
(672)	3	10	0	0
700	3	12	11	0
(784)	4	1	8	0
800	4	3	4	0
(896)	4	13	4	0
900	4	13	9	0
1000	5	4	2	0
2000	10	8	4	0
3000	15	12	6	0
4000	20	16	8	0
5000	26	0	10	0
10000	52	1	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	1	2
2	0	0	3	0
3	0	0	4	2
4	0	0	6	0
5	0	0	7	2
6	0	0	9	0
7	0	0	10	2
8	0	1	0	0
9	0	1	1	2
10	0	1	3	0
11	0	1	4	2
12	0	1	6	0
13	0	1	7	2
14	0	1	9	0
15	0	1	10	2
16	0	2	0	0
17	0	2	1	2
18	0	2	3	0
19	0	2	4	2
20	0	2	6	0
21	0	2	7	2
22	0	2	9	0
23	0	2	10	2
24	0	3	0	0
25	0	3	1	2
26	0	3	3	0
27	0	3	4	2
(28)	0	3	6	0
29	0	3	7	2
30	0	3	9	0
31	0	3	10	2
32	0	4	0	0
33	0	4	1	2
34	0	4	3	0
35	0	4	4	2
36	0	4	6	0
37	0	4	7	2
38	0	4	9	0
39	0	4	10	2
40	0	5	0	0
50	0	6	3	0
(56)	0	7	0	0
60	0	7	6	0
70	0	8	9	0
80	0	10	0	0
(84)	0	10	6	0
90	0	11	3	0
100	0	12	6	0
(112)	0	14	0	0
200	1	5	0	0
(224)	1	8	0	0
300	1	17	6	0
(336)	2	2	0	0
400	2	10	0	0
(448)	2	16	0	0
500	3	2	6	0
(560)	3	10	0	0
600	3	15	0	0
(672)	4	4	0	0
700	4	7	6	0
(784)	4	18	0	0
800	5	0	0	0
(896)	5	12	0	0
900	5	12	6	0
1000	6	5	0	0
2000	12	10	0	0
3000	18	15	0	0
4000	25	0	0	0
5000	31	5	0	0
10000	62	10	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	1	3
2	0	0	3	2
3	0	0	5	1
4	0	0	7	0
5	0	0	8	3
6	0	0	10	2
7	0	1	0	1
8	0	1	2	0
9	0	1	3	3
10	0	1	5	2
11	0	1	7	1
12	0	1	9	0
13	0	1	10	3
14	0	2	0	2
15	0	2	2	1
16	0	2	4	0
17	0	2	5	3
18	0	2	7	2
19	0	2	9	1
20	0	2	11	0
21	0	3	0	3
22	0	3	2	2
23	0	3	4	1
24	0	3	6	0
25	0	3	7	3
26	0	3	9	2
27	0	3	11	1
(28)	0	4	1	0
29	0	4	2	3
30	0	4	4	2
31	0	4	6	1
32	0	4	8	0
33	0	4	9	3
34	0	4	11	2
35	0	5	1	1
36	0	5	3	0
37	0	5	4	3
38	0	5	6	2
39	0	5	8	1
40	0	5	10	0
50	0	7	3	2
(56)	0	8	2	0
60	0	8	9	0
70	0	10	2	2
80	0	11	8	0
(84)	0	12	3	0
90	0	13	1	2
100	0	14	7	0
(112)	0	16	4	0
200	1	9	2	0
(224)	1	12	8	0
300	2	3	9	0
(336)	2	9	0	0
400	2	18	4	0
(448)	3	5	4	0
500	3	12	11	0
(560)	4	1	8	0
600	4	7	6	0
(672)	4	18	0	0
700	5	2	1	0
(784)	5	14	4	0
800	5	16	8	0
(896)	6	10	8	0
900	6	11	3	0
1000	7	5	10	0
2000	14	11	8	0
3000	21	17	6	0
4000	29	3	4	0
5000	36	9	2	0
10000	72	18	4	0

	l.	s.	d.
1	0	0	2
2	0	0	4
3	0	0	6
4	0	0	8
5	0	0	10
6	0	1	0
7	0	1	2
8	0	1	4
9	0	1	6
10	0	1	8
11	0	1	10
12	0	2	0
13	0	2	2
14	0	2	4
15	0	2	6
16	0	2	8
17	0	2	10
18	0	3	0
19	0	3	2
20	0	3	4
21	0	3	6
22	0	3	8
23	0	3	10
24	0	4	0
25	0	4	2
26	0	4	4
27	0	4	6
(28)	0	4	8
29	0	4	10
30	0	5	0
31	0	5	2
32	0	5	4
33	0	5	6
34	0	5	8
35	0	5	10
36	0	6	0
37	0	6	2
38	0	6	4
39	0	6	6
40	0	6	8
50	0	8	4
(56)	0	9	4
60	0	10	0
70	0	11	8
80	0	13	4
(84)	0	14	0
90	0	15	0
100	0	16	8
(112)	0	18	8
200	1	13	4
(224)	1	17	4
300	2	10	0
(336)	2	16	0
400	3	6	8
(448)	3	14	8
500	4	3	4
(560)	4	13	4
600	5	0	0
(672)	5	12	0
700	5	16	8
(784)	6	10	8
800	6	13	4
(896)	7	9	4
900	7	10	0
1000	8	6	8
2000	16	13	4
3000	25	0	0
4000	33	6	8
5000	41	13	4
10000	83	6	8

	l.	*s.*	*d.*	*q.*
1	0	0	2	1
2	0	0	4	2
3	0	0	6	3
4	0	0	9	0
5	0	0	11	1
6	0	1	1	2
7	0	1	3	3
8	0	1	6	0
9	0	1	8	1
10	0	1	10	2
[illegible]	0	2	0	3
[illegible]	0	2	3	0
13	0	2	5	1
14	0	2	7	2
15	0	2	9	3
16	0	3	0	0
17	0	3	2	1
18	0	3	4	2
19	0	3	6	3
20	0	3	9	0
21	0	3	11	1
22	0	4	1	2
23	0	4	3	3
24	0	4	6	0
25	0	4	8	1
26	0	4	10	2
27	0	5	0	3
(28)	0	5	3	0
29	0	5	5	1
30	0	5	7	2
31	0	5	9	3
32	0	6	0	0
33	0	6	2	1
34	0	6	4	2
35	0	6	6	3

	l.	*s.*	*d.*	*q.*
36	0	6	9	0
37	0	6	11	1
38	0	7	1	2
39	0	7	3	3
40	0	7	6	0
50	0	9	4	2
(56)	0	10	6	0
60	0	11	3	0
70	0	13	1	2
80	0	15	0	0
(84)	0	15	9	0
90	0	16	10	2
100	0	18	9	0
(112)	1	1	0	0
200	1	17	6	0
(224)	2	2	0	0
300	2	16	3	0
(336)	3	3	0	0
400	3	15	0	0
(448)	4	4	0	0
500	4	13	9	0
(560)	5	5	0	0
600	5	12	6	0
(672)	6	6	0	0
700	6	11	3	0
(784)	7	7	0	0
800	7	10	0	0
(896)	8	8	0	0
900	8	8	9	0
1000	9	7	6	0
2000	18	15	0	0
3000	28	2	6	0
4000	37	10	0	0
5000	46	17	6	0
10000	93	15	0	0

	l.	s.	d.	q.
1	0	0	2	2
2	0	0	5	0
3	0	0	7	2
4	0	0	10	0
5	0	1	0	2
6	0	1	3	0
7	0	1	5	2
8	0	1	8	0
9	0	1	10	2
10	0	2	1	0
11	0	2	3	2
12	0	2	6	0
13	0	2	8	2
14	0	2	11	0
15	0	3	1	2
16	0	3	4	0
17	0	3	6	2
18	0	3	9	0
19	0	3	11	2
20	0	4	2	0
21	0	4	4	2
22	0	4	7	0
23	0	4	9	2
24	0	5	0	0
25	0	5	2	2
26	0	5	5	0
27	0	5	7	2
(28)	0	5	10	0
29	0	6	0	2
30	0	6	3	0
31	0	6	5	2
32	0	6	8	0
33	0	6	10	2
34	0	7	1	0
35	0	7	3	2

	l.	s.	d.	q.
36	0	7	6	0
37	0	7	8	2
38	0	7	11	0
39	0	8	1	2
40	0	8	4	0
50	0	10	5	0
(56)	0	11	8	0
60	0	12	6	0
70	0	14	7	0
80	0	16	8	0
(84)	0	17	6	0
90	0	18	9	0
100	1	0	10	0
(112)	1	3	4	0
200	2	1	8	0
(224)	2	6	8	0
300	3	2	6	0
(336)	3	10	0	0
400	4	3	4	0
(448)	4	13	4	0
500	5	4	2	0
(560)	5	16	8	0
600	6	5	0	0
(672)	7	0	0	0
700	7	5	10	0
(784)	8	3	4	0
800	8	6	8	0
(896)	9	6	8	0
900	9	7	6	0
1000	10	8	4	0
2000	20	16	8	0
3000	31	5	0	0
4000	41	13	4	0
5000	52	1	8	0
10000	104	3	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	2	3
2	0	0	5	2
3	0	0	8	1
4	0	0	11	0
5	0	1	1	3
6	0	1	4	2
7	0	1	7	1
8	0	1	10	0
9	0	2	0	3
10	0	2	3	2
11	0	2	6	1
12	0	2	9	0
13	0	2	11	3
14	0	3	2	2
15	0	3	5	1
16	0	3	8	0
17	0	3	10	3
18	0	4	1	2
19	0	4	4	1
20	0	4	7	0
21	0	4	9	3
22	0	5	0	2
23	0	5	3	1
24	0	5	6	0
25	0	5	8	3
26	0	5	11	2
27	0	6	2	1
(28)	0	6	5	0
29	0	6	7	3
30	0	6	10	2
31	0	7	1	1
32	0	7	4	0
33	0	7	6	3
34	0	7	9	2
35	0	8	0	1

	l.	*s.*	*d.*	*q.*
36	0	8	3	0
37	0	8	5	3
38	0	8	8	2
39	0	8	11	1
40	0	9	2	0
50	0	11	5	2
(56)	0	12	10	0
60	0	13	9	0
70	0	16	0	2
80	0	18	4	0
(84)	0	19	3	0
90	1	0	7	2
100	1	2	11	0
(112)	1	5	8	0
200	2	5	10	0
(224)	2	11	4	0
300	3	8	9	0
(336)	3	17	0	0
400	4	11	8	0
(448)	5	2	8	0
500	5	14	7	0
(560)	6	8	4	0
600	6	17	6	0
(672)	7	14	0	0
700	8	0	5	0
(784)	8	19	8	0
800	9	3	4	0
(896)	10	5	4	0
900	10	6	3	0
1000	11	9	2	0
2000	22	18	4	0
3000	34	7	6	0
4000	45	16	8	0
5000	57	5	10	0
10000	114	11	8	0

	l.	*s.*	*d.*
1	0	0	3
2	0	0	6
3	0	0	9
4	0	1	0
5	0	1	3
6	0	1	6
7	0	1	9
8	0	2	0
9	0	2	3
10	0	2	6
11	0	2	9
12	0	3	0
13	0	3	3
14	0	3	6
15	0	3	9
16	0	4	0
17	0	4	3
18	0	4	6
19	0	4	9
20	0	5	0
21	0	5	3
22	0	5	6
23	0	5	9
24	0	6	0
25	0	6	3
26	0	6	6
27	0	6	9
(28)	0	7	0
29	0	7	3
30	0	7	6
31	0	7	9
32	0	8	0
33	0	8	3
34	0	8	6
35	0	8	9
36	0	9	0
37	0	9	3
38	0	9	6
39	0	9	9
40	0	10	0
50	0	12	6
(56)	0	14	0
60	0	15	0
70	0	17	6
80	1	0	0
(84)	1	1	0
90	1	2	6
100	1	5	0
(112)	1	8	0
200	2	10	0
(224)	2	16	0
300	3	15	0
(336)	4	4	0
400	5	0	0
(448)	5	12	0
500	6	5	0
(560)	7	0	0
600	7	10	0
(672)	8	8	0
700	8	15	0
(784)	9	16	0
800	10	0	0
(896)	11	4	0
900	11	5	0
1000	12	10	0
2000	25	0	0
3000	37	10	0
4000	50	0	0
5000	62	10	0
10000	125	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	3	1
2	0	0	6	2
3	0	0	9	3
4	0	1	1	0
5	0	1	4	1
6	0	1	7	2
7	0	1	10	3
8	0	2	2	0
9	0	2	5	1
10	0	2	8	2
11	0	2	11	3
12	0	3	3	0
13	0	3	6	1
14	0	3	9	2
15	0	4	0	3
16	0	4	4	0
17	0	4	7	1
18	0	4	10	2
19	0	5	1	3
20	0	5	5	0
21	0	5	8	1
22	0	5	11	2
23	0	6	2	3
24	0	6	6	0
25	0	6	9	1
26	0	7	0	2
27	0	7	3	3
(28)	0	7	7	0
29	0	7	10	1
30	0	8	1	2
31	0	8	4	3
32	0	8	8	0
33	0	8	11	1
34	0	9	2	2
35	0	9	5	3
36	0	9	9	0
37	0	10	0	1
38	0	10	3	2
39	0	10	6	3
40	0	10	10	0
50	0	13	6	2
(56)	0	15	2	0
60	0	16	3	0
70	0	18	11	2
80	1	1	8	0
(84)	1	2	9	0
90	1	4	4	2
100	1	7	1	0
(112)	1	10	4	0
200	2	14	2	0
(224)	3	0	8	0
300	4	1	3	0
(336)	4	11	0	0
400	5	8	4	0
(448)	6	1	4	0
500	6	15	5	0
(560)	7	11	8	0
600	8	2	6	0
(672)	9	2	0	0
700	9	9	7	0
(784)	10	12	4	0
800	10	16	8	0
(896)	12	2	8	0
900	12	3	9	0
1000	13	10	10	0
2000	27	1	8	0
3000	40	12	6	0
4000	54	3	4	0
5000	67	14	2	0
10000	135	8	4	0

	l.	s.	d.	q.
1	0	0	3	2
2	0	0	7	0
3	0	0	10	2
4	0	1	2	0
5	0	1	5	2
6	0	1	9	0
7	0	2	0	2
8	0	2	4	0
9	0	2	7	2
10	0	2	11	0
11	0	3	2	2
12	0	3	6	0
13	0	3	9	2
14	0	4	1	0
15	0	4	4	2
16	0	4	8	0
17	0	4	11	2
18	0	5	3	0
19	0	5	6	2
20	0	5	10	0
21	0	6	1	2
22	0	6	5	0
23	0	6	8	2
24	0	7	0	0
25	0	7	3	2
26	0	7	7	0
27	0	7	10	2
(28)	0	8	2	0
29	0	8	5	2
30	0	8	9	0
31	0	9	0	2
32	0	9	4	0
33	0	9	7	2
34	0	9	11	0
35	0	10	2	2

	l.	s.	d.	q.
36	0	10	6	0
37	0	10	9	2
38	0	11	1	0
39	0	11	4	2
40	0	11	8	0
50	0	14	7	0
(56)	0	16	4	0
60	0	17	6	0
70	1	0	5	0
80	1	3	4	0
(84)	1	4	6	0
90	1	6	3	0
100	1	9	2	0
(112)	1	12	8	0
200	2	18	4	0
(224)	3	5	4	0
300	4	7	6	0
(336)	4	18	0	0
400	5	16	8	0
(448)	6	10	8	0
500	7	5	10	0
(560)	8	3	4	0
600	8	15	0	0
(672)	9	16	0	0
700	10	4	2	0
(784)	11	8	8	0
800	11	13	4	0
(896)	13	1	4	0
900	13	2	6	0
1000	14	11	8	0
2000	29	3	4	0
3000	43	15	0	0
4000	58	6	8	0
5000	72	18	4	0
10000	145	16	8	0

	l.	s.	d.	q.
1	0	0	3	3
2	0	0	7	2
3	0	0	11	1
4	0	1	3	0
5	0	1	6	3
6	0	1	10	2
7	0	2	2	1
8	0	2	6	0
9	0	2	9	3
10	0	3	1	2
11	0	3	5	1
12	0	3	9	0
13	0	4	0	3
14	0	4	4	2
15	0	4	8	1
16	0	5	0	0
17	0	5	3	3
18	0	5	7	2
19	0	5	11	1
20	0	6	3	0
21	0	6	6	3
22	0	6	10	2
23	0	7	2	1
24	0	7	6	0
25	0	7	9	3
26	0	8	1	2
27	0	8	5	1
(28)	0	8	9	0
29	0	9	0	3
30	0	9	4	2
31	0	9	8	1
32	0	10	0	0
33	0	10	3	3
34	0	10	7	2
35	0	10	11	1

	l.	s.	d.	q.
36	0	11	3	0
37	0	11	6	3
38	0	11	10	2
39	0	12	2	1
40	0	12	6	0
50	0	15	7	2
(56)	0	17	6	0
60	0	18	9	0
70	1	1	10	2
80	1	5	0	0
(84)	1	6	3	0
90	1	8	1	2
100	1	11	3	0
(112)	1	15	0	0
200	3	2	6	0
(224)	3	10	0	0
300	4	13	9	0
(336)	5	5	0	0
400	6	5	0	0
(448)	7	0	0	0
500	7	16	3	0
(560)	8	15	0	0
600	9	7	6	0
(672)	10	10	0	0
700	10	18	9	0
(784)	12	5	0	0
800	12	10	0	0
(896)	14	0	0	0
900	14	1	3	0
1000	15	12	6	0
2000	31	5	0	0
3000	46	17	6	0
4000	62	10	0	0
5000	78	2	6	0
10000	156	5	0	0

	l.	*s.*	*d.*
1	0	0	4
2	0	0	8
3	0	1	0
4	0	1	4
5	0	1	8
6	0	2	0
7	0	2	4
8	0	2	8
9	0	3	0
10	0	3	4
11	0	3	8
12	0	4	0
13	0	4	4
14	0	4	8
15	0	5	0
16	0	5	4
17	0	5	8
18	0	6	0
19	0	6	4
20	0	6	8
21	0	7	0
22	0	7	4
23	0	7	8
24	0	8	0
25	0	8	4
26	0	8	8
27	0	9	0
(28)	0	9	4
29	0	9	8
30	0	10	0
31	0	10	4
32	0	10	8
33	0	11	0
34	0	11	4
35	0	11	8

	l.	*s.*	*d.*
36	0	12	0
37	0	12	4
38	0	12	8
39	0	13	0
40	0	13	4
50	0	16	8
(56)	0	18	8
60	1	0	0
70	1	3	4
80	1	6	8
(84)	1	8	0
90	1	10	0
100	1	13	4
(112)	1	17	4
200	3	6	8
(224)	3	14	8
300	5	0	0
(336)	5	12	0
400	6	13	4
(448)	7	9	4
500	8	6	8
(560)	9	6	8
600	10	0	0
(672)	11	4	0
700	11	13	4
(784)	13	1	4
800	13	6	8
(896)	14	18	8
900	15	0	0
1000	16	13	4
2000	33	6	8
3000	50	0	0
4000	66	13	4
5000	83	6	8
10000	166	13	4

	l.	*s.*	*d.*	*q.*
1	0	0	4	1
2	0	0	8	2
3	0	1	0	3
4	0	1	5	0
5	0	1	9	1
6	0	2	1	2
7	0	2	5	3
8	0	2	10	0
9	0	3	2	1
10	0	3	6	2
11	0	3	10	3
12	0	4	3	0
13	0	4	7	1
14	0	4	11	2
15	0	5	3	3
16	0	5	8	0
17	0	6	0	1
18	0	6	4	2
19	0	6	8	3
20	0	7	1	0
21	0	7	5	1
22	0	7	9	2
23	0	8	1	3
24	0	8	6	0
25	0	8	10	1
26	0	9	2	2
27	0	9	6	3
(28)	0	9	11	0
29	0	10	3	1
30	0	10	7	2
31	0	10	11	3
32	0	11	4	0
33	0	11	8	1
34	0	12	0	2
35	0	12	4	3

	l.	*s.*	*d.*	*q.*
36	0	12	9	0
37	0	13	1	1
38	0	13	5	2
39	0	13	9	3
40	0	14	2	0
50	0	17	8	2
(56)	0	19	10	0
60	1	1	3	0
70	1	4	9	2
80	1	8	4	0
(84)	1	9	9	0
90	1	11	10	2
100	1	15	5	0
(112)	1	19	8	0
200	3	10	10	0
(224)	3	19	4	0
300	5	6	3	0
(336)	5	19	0	0
400	7	1	8	0
(448)	7	18	8	0
500	8	17	1	0
(560)	9	18	4	0
600	10	12	6	0
(672)	11	18	0	0
700	12	7	11	0
(784)	13	17	8	0
800	14	3	4	0
(896)	15	17	4	0
900	15	18	9	0
1000	17	14	2	0
2000	35	8	4	0
3000	53	2	6	0
4000	70	16	8	0
5000	88	10	10	0
10000	177	1	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	4	2
2	0	0	9	0
3	0	1	1	2
4	0	1	6	0
5	0	1	10	2
6	0	2	3	0
7	0	2	7	2
8	0	3	0	0
9	0	3	4	2
10	0	3	9	0
11	0	4	1	2
12	0	4	6	0
13	0	4	10	2
14	0	5	3	0
15	0	5	7	2
16	0	6	0	0
17	0	6	4	2
18	0	6	9	0
19	0	7	1	2
20	0	7	6	0
21	0	7	10	2
22	0	8	3	0
23	0	8	7	2
24	0	9	0	0
25	0	9	4	2
26	0	9	9	0
27	0	10	1	2
28)	0	10	6	0
29	0	10	10	2
30	0	11	3	0
31	0	11	7	2
32	0	12	0	0
33	0	12	4	2
34	0	12	9	0
35	0	13	1	2

	l.	*s.*	*d.*	*q.*
36	0	13	6	0
37	0	13	10	2
38	0	14	3	0
39	0	14	7	2
40	0	15	0	0
50	0	18	9	0
(56)	1	1	0	0
60	1	2	6	0
70	1	6	3	0
80	1	10	0	0
(84)	1	11	6	0
90	1	13	9	0
100	1	17	6	0
(112)	2	2	0	0
200	3	15	0	0
(224)	4	4	0	0
300	5	12	6	0
(336)	6	6	0	0
400	7	10	0	0
(448)	8	8	0	0
500	9	7	6	0
(560)	10	10	0	0
600	11	5	0	0
(672)	12	12	0	0
700	13	2	6	0
(784)	14	14	0	0
800	15	0	0	0
(896)	16	16	0	0
900	16	17	6	0
1000	18	15	0	0
2000	37	10	0	0
3000	56	5	0	0
4000	75	0	0	0
5000	93	15	0	0
10000	187	10	0	0

	l.	s.	d.	q.
1	0	0	4	3
2	0	0	9	2
3	0	1	2	1
4	0	1	7	0
5	0	1	11	3
6	0	2	4	2
7	0	2	9	1
8	0	3	2	0
9	0	3	6	3
10	0	3	11	2
11	0	4	4	1
12	0	4	9	0
13	0	5	1	3
14	0	5	6	2
15	0	5	11	1
16	0	6	4	0
17	0	6	8	3
18	0	7	1	2
19	0	7	6	1
20	0	7	11	0
21	0	8	3	3
22	0	8	8	2
23	0	9	1	1
24	0	9	6	0
25	0	9	10	3
26	0	10	3	2
27	0	10	8	1
(28)	0	11	1	0
29	0	11	5	3
30	0	11	10	2
31	0	12	3	1
32	0	12	8	0
33	0	13	0	3
34	0	13	5	2
35	0	13	10	1

	l.	s.	d.	q.
36	0	14	3	0
37	0	14	7	3
38	0	15	0	2
39	0	15	5	1
40	0	15	10	0
50	0	19	9	2
(56)	1	2	2	0
60	1	3	9	0
70	1	7	8	2
80	1	11	8	0
(84)	1	13	3	0
90	1	15	7	2
100	1	19	7	0
(112)	2	4	4	0
200	3	19	2	0
(224)	4	8	8	0
300	5	18	9	0
(336)	6	13	0	0
400	7	18	4	0
(448)	8	17	4	0
500	9	17	11	0
(560)	11	1	8	0
600	11	17	6	0
(672)	13	6	0	0
700	13	17	1	0
(784)	15	10	4	0
800	15	16	8	0
(896)	17	14	8	0
900	17	16	3	0
1000	19	15	10	0
2000	39	11	8	0
3000	59	7	6	0
4000	79	3	4	0
5000	98	19	2	0
10000	197	18	4	0

	l.	s.	d.
1	0	0	5
2	0	0	10
3	0	1	3
4	0	1	8
5	0	2	1
6	0	2	6
7	0	2	11
8	0	3	4
9	0	3	9
10	0	4	2
11	0	4	7
12	0	5	0
13	0	5	5
14	0	5	10
15	0	6	3
16	0	6	8
17	0	7	1
18	0	7	6
19	0	7	11
20	0	8	4
21	0	8	9
22	0	9	2
23	0	9	7
24	0	10	0
25	0	10	5
26	0	10	10
27	0	11	3
28	0	11	8
29	0	12	1
30	0	12	6
31	0	12	11
32	0	13	4
33	0	13	9
34	0	14	2
35	0	14	7

	l.	s.	d.
36	0	15	0
37	0	15	5
38	0	15	10
39	0	16	3
40	0	16	8
50	1	0	10
(56)	1	3	4
60	1	5	0
70	1	9	2
80	1	13	4
(84)	1	15	0
90	1	17	6
100	2	1	8
(112)	2	6	8
200	4	3	4
(224)	4	13	4
300	6	5	0
(336)	7	0	0
400	8	6	8
(448)	9	6	8
500	10	8	4
(560)	11	13	4
600	12	10	0
(672)	14	0	0
700	14	11	8
(784)	16	6	8
800	16	13	4
(896)	18	13	4
900	18	15	0
1000	20	16	8
2000	41	13	4
3000	62	10	0
4000	83	6	8
5000	104	3	4
10000	208	6	8

	l.	*s.*	*d.*	*q.*
1	0	0	5	1
2	0	0	10	2
3	0	1	3	3
4	0	1	9	0
5	0	2	2	1
6	0	2	7	2
7	0	3	0	3
8	0	3	6	0
9	0	3	11	1
10	0	4	4	2
11	0	4	9	3
12	0	5	3	0
13	0	5	8	1
14	0	6	1	2
15	0	6	6	3
16	0	7	0	0
17	0	7	5	1
18	0	7	10	2
19	0	8	3	3
20	0	8	9	0
21	0	9	2	1
22	0	9	7	2
23	0	10	0	3
24	0	10	6	0
25	0	10	11	1
26	0	11	4	2
27	0	11	9	3
(28)	0	12	3	0
29	0	12	8	1
30	0	13	1	2
31	0	13	6	3
32	0	14	0	0
33	0	14	5	1
34	0	14	10	2
35	0	15	3	3
36	0	15	9	0
37	0	16	2	1
38	0	16	7	2
39	0	17	0	3
40	0	17	6	0
50	1	1	10	2
(56)	1	4	6	0
60	1	6	3	0
70	1	10	7	2
80	1	15	0	0
(84)	1	16	9	0
90	1	19	4	2
100	2	3	9	0
(112)	2	9	0	0
200	4	7	6	0
(224)	4	18	0	0
300	6	11	3	0
(336)	7	7	0	0
400	8	15	0	0
(448)	9	16	0	0
500	10	18	9	0
(560)	12	5	0	0
600	13	2	6	0
(672)	14	14	0	0
700	15	6	3	0
(784)	17	3	0	0
800	17	10	0	0
(896)	19	12	0	0
900	19	13	9	0
1000	21	17	6	0
2000	43	15	0	0
3000	65	12	6	0
4000	87	10	0	0
5000	109	7	6	0
10000	218	15	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	5	2
2	0	0	11	0
3	0	1	4	2
4	0	1	10	0
5	0	2	3	2
6	0	2	9	0
7	0	3	2	2
8	0	3	8	0
9	0	4	1	2
10	0	4	7	0
11	0	5	0	2
12	0	5	6	0
13	0	5	11	2
14	0	6	5	0
15	0	6	10	2
16	0	7	4	0
17	0	7	9	2
18	0	8	3	0
19	0	8	8	2
20	0	9	2	0
21	0	9	7	2
22	0	10	1	0
23	0	10	6	2
24	0	11	0	0
25	0	11	5	2
26	0	11	11	0
27	0	12	4	2
(28)	0	12	10	0
29	0	13	3	2
30	0	13	9	0
31	0	14	2	2
32	0	14	8	0
33	0	15	1	2
34	0	15	7	0
35	0	16	0	2

	l.	*s.*	*d.*	*q.*
36	0	16	6	0
37	0	16	11	2
38	0	17	5	0
39	0	17	10	2
40	0	18	4	0
50	1	2	11	0
(56)	1	5	8	0
60	1	7	6	0
70	1	12	1	0
80	1	16	8	0
(84)	1	18	6	0
90	2	1	3	0
100	2	5	10	0
(112)	2	11	4	0
200	4	11	8	0
(224)	5	2	8	0
300	6	17	6	0
(336)	7	14	0	0
400	9	3	4	0
(448)	10	5	4	0
500	11	9	2	0
(560)	12	16	8	0
600	13	15	0	0
(672)	15	8	0	0
700	16	0	10	0
(784)	17	19	4	0
800	18	6	8	0
(896)	20	10	8	0
900	20	12	6	0
1000	22	18	4	0
2000	45	16	8	0
3000	68	15	0	0
4000	91	13	4	0
5000	114	11	8	0
10000	229	3	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	5	3
2	0	0	11	2
3	0	1	5	1
4	0	1	11	0
5	0	2	4	3
6	0	2	10	2
7	0	3	4	1
8	0	3	10	0
9	0	4	3	3
10	0	4	9	2
11	0	5	3	1
12	0	5	9	0
13	0	6	2	3
14	0	6	8	2
15	0	7	2	1
16	0	7	8	0
17	0	8	1	3
18	0	8	7	2
19	0	9	1	1
20	0	9	7	0
21	0	10	0	3
22	0	10	6	2
23	0	11	0	1
24	0	11	6	0
25	0	11	11	3
26	0	12	5	2
27	0	12	11	1
(28)	0	13	5	0
29	0	13	10	3
30	0	14	4	2
31	0	14	10	1
32	0	15	4	0
33	0	15	9	3
34	0	16	3	2
35	0	16	9	1

	l.	*s.*	*d.*	*q.*
36	0	17	3	0
37	0	17	8	3
38	0	18	2	2
39	0	18	8	1
40	0	19	2	0
50	1	3	11	2
(56)	1	6	10	0
60	1	8	9	0
70	1	13	6	2
80	1	18	4	0
(84)	2	0	3	0
90	2	3	1	2
100	2	7	11	0
(112)	2	13	8	0
200	4	15	10	0
(224)	5	7	4	0
300	7	3	9	0
(336)	8	1	0	0
400	9	11	8	0
(448)	10	14	8	0
500	11	19	7	0
(560)	13	8	4	0
600	14	7	6	0
(672)	16	2	0	0
700	16	15	5	0
(784)	18	15	8	0
800	19	3	4	0
(896)	21	9	4	0
900	21	11	3	0
1000	23	19	2	0
2000	47	18	4	0
3000	71	17	6	0
4000	95	16	8	0
5000	119	15	10	0
10000	239	11	8	0

	l.	*s.*	*d.*
1	0	0	6
2	0	1	0
3	0	1	6
4	0	2	0
5	0	2	6
6	0	3	0
7	0	3	6
8	0	4	0
9	0	4	6
10	0	5	0
11	0	5	6
12	0	6	0
13	0	6	6
14	0	7	0
15	0	7	6
16	0	8	0
17	0	8	6
18	0	9	0
19	0	9	6
20	0	10	0
21	0	10	6
22	0	11	0
23	0	11	6
24	0	12	0
25	0	12	6
26	0	13	0
27	0	13	6
(28)	0	14	0
29	0	14	6
30	0	15	0
31	0	15	6
32	0	16	0
33	0	16	6
34	0	17	0
35	0	17	6

	l.	*s.*	*d.*
36	0	18	0
37	0	18	6
38	0	19	0
39	0	19	6
40	1	0	0
50	1	5	0
(56)	1	8	0
60	1	10	0
70	1	15	0
80	2	0	0
(84)	2	2	0
90	2	5	0
100	2	10	0
(112)	2	16	0
200	5	0	0
(224)	5	12	0
300	7	10	0
(336)	8	8	0
400	10	0	0
(448)	11	4	0
500	12	10	0
(560)	14	0	0
600	15	0	0
(672)	16	16	0
700	17	10	0
(784)	19	12	0
800	20	0	0
(896)	22	8	0
900	22	10	0
1000	25	0	0
2000	50	0	0
3000	75	0	0
4000	100	0	0
5000	125	0	0
10000	250	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	6	1
2	0	1	0	2
3	0	1	6	3
4	0	2	1	0
5	0	2	7	1
6	0	3	1	2
7	0	3	7	3
8	0	4	2	0
9	0	4	8	1
10	0	5	2	2
11	0	5	8	3
12	0	6	3	0
13	0	6	9	1
14	0	7	3	2
15	0	7	9	3
16	0	8	4	0
17	0	8	10	1
18	0	9	4	2
19	0	9	10	3
20	0	10	5	0
21	0	10	11	1
22	0	11	5	2
23	0	11	11	3
24	0	12	6	0
25	0	13	0	1
26	0	13	6	2
27	0	14	0	3
(28)	0	14	7	0
29	0	15	1	1
30	0	15	7	2
31	0	16	1	3
32	0	16	8	0
33	0	17	2	1
34	0	17	8	2
35	0	18	2	3

	l.	*s.*	*d.*	*q.*
36	0	18	9	0
37	0	19	3	1
38	0	19	9	2
39	1	0	3	3
40	1	0	10	0
50	1	6	0	2
(56)	1	9	2	0
60	1	11	3	0
70	1	16	5	2
80	2	1	8	0
(84)	2	3	9	0
90	2	6	10	2
100	2	12	1	0
(112)	2	18	4	0
200	5	4	2	0
(224)	5	16	8	0
300	7	16	3	0
(336)	8	15	0	0
400	10	8	4	0
(448)	11	13	4	0
500	13	0	5	0
(560)	14	11	8	0
600	15	12	6	0
(672)	17	10	0	0
700	18	4	7	0
(784)	20	8	4	0
800	20	16	8	0
(896)	23	6	8	0
900	23	8	9	0
1000	26	0	10	0
2000	52	1	8	0
3000	78	2	6	0
4000	104	3	4	0
5000	130	4	2	0
10000	260	8	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	6	2
2	0	1	1	0
3	0	1	7	2
4	0	2	2	0
5	0	2	8	2
6	0	3	3	0
7	0	3	9	2
8	0	4	4	0
9	0	4	10	2
10	0	5	5	0
11	0	5	11	2
12	0	6	6	0
13	0	7	0	2
14	0	7	7	0
15	0	8	1	2
16	0	8	8	0
17	0	9	2	2
18	0	9	9	0
19	0	10	3	2
20	0	10	10	0
21	0	11	4	2
22	0	11	11	0
23	0	12	5	2
24	0	13	0	0
25	0	13	6	2
26	0	14	1	0
27	0	14	7	2
(28)	0	15	2	0
29	0	15	8	2
30	0	16	3	0
31	0	16	9	2
32	0	17	4	0
33	0	17	10	2
34	0	18	5	0
35	0	18	11	2
36	0	19	6	0
37	1	0	0	2
38	1	0	7	0
39	1	1	1	2
40	1	1	8	0
50	1	7	1	0
(56)	1	10	4	0
60	1	12	6	0
70	1	17	11	0
80	2	3	4	0
(84)	2	5	6	0
90	2	8	9	0
100	2	14	2	0
(112)	3	0	8	0
200	5	8	4	0
(224)	6	1	4	0
300	8	2	6	0
(336)	9	2	0	0
400	10	16	8	0
(448)	12	2	8	0
500	13	10	10	0
(560)	15	3	4	0
600	16	5	0	0
(672)	18	4	0	0
700	18	19	2	0
(784)	21	4	8	0
800	21	13	4	0
(896)	24	5	4	0
900	24	7	6	0
1000	27	1	8	0
2000	54	3	4	0
3000	81	5	0	0
4000	108	6	8	0
5000	135	8	4	0
10000	270	16	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	6	3
2	0	1	1	2
3	0	1	8	1
4	0	2	3	0
5	0	2	9	3
6	0	3	4	2
7	0	3	11	1
8	0	4	6	0
9	0	5	0	3
10	0	5	7	2
11	0	6	2	1
12	0	6	9	0
13	0	7	3	3
14	0	7	10	2
15	0	8	5	1
16	0	9	0	0
17	0	9	6	3
18	0	10	1	2
19	0	10	8	1
20	0	11	3	0
21	0	11	9	3
22	0	12	4	2
23	0	12	11	1
24	0	13	6	0
25	0	14	0	3
26	0	14	7	2
27	0	15	2	1
(28)	0	15	9	0
29	0	16	3	3
30	0	16	10	2
31	0	17	5	1
32	0	18	0	0
33	0	18	6	3
34	0	19	1	2
35	0	19	8	1

	l.	*s.*	*d.*	*q.*
36	1	0	3	0
37	1	0	9	3
38	1	1	4	2
39	1	1	11	1
40	1	2	6	0
50	1	8	1	2
(56)	1	11	6	0
60	1	13	9	0
70	1	19	4	2
80	2	5	0	0
(84)	2	7	3	0
90	2	10	7	2
100	2	16	3	0
(112)	3	3	0	0
200	5	12	6	0
(224)	6	6	0	0
300	8	8	9	0
(336)	9	9	0	0
400	11	5	0	0
(448)	12	12	0	0
500	14	1	3	0
(560)	15	15	0	0
600	16	17	6	0
(672)	18	18	0	0
700	19	13	9	0
(784)	22	1	0	0
800	22	10	0	0
(896)	25	4	0	0
900	25	6	3	0
1000	28	2	6	0
2000	56	5	0	0
3000	84	7	6	0
4000	112	10	0	0
5000	140	12	6	0
10000	281	5	0	0

	l.	s.	d.
1	0	0	7
2	0	1	2
3	0	1	9
4	0	2	4
5	0	2	11
6	0	3	6
7	0	4	1
8	0	4	8
9	0	5	3
10	0	5	10
11	0	6	5
12	0	7	0
13	0	7	7
14	0	8	2
15	0	8	9
16	0	9	4
17	0	9	11
18	0	10	6
19	0	11	1
20	0	11	8
21	0	12	3
22	0	12	10
23	0	13	5
24	0	14	0
25	0	14	7
26	0	15	2
27	0	15	9
(28)	0	16	4
29	0	16	11
30	0	17	6
31	0	18	1
32	0	18	8
33	0	19	3
34	0	19	10
35	1	0	5

	l.	s.	d.
36	1	1	0
37	1	1	7
38	1	2	2
39	1	2	9
40	1	3	4
50	1	9	2
(56)	1	12	8
60	1	15	0
70	2	0	10
80	2	6	8
(84)	2	9	0
90	2	12	6
100	2	18	4
(112)	3	5	4
200	5	16	8
(224)	6	10	8
300	8	15	0
(336)	9	16	0
400	11	13	4
(448)	13	1	4
500	14	11	8
(560)	16	6	8
600	17	10	0
(672)	19	12	0
700	20	8	4
(784)	22	17	4
800	23	6	8
(896)	26	2	8
900	26	5	0
1000	29	3	4
2000	58	6	8
3000	87	10	0
4000	116	13	4
5000	145	16	8
10000	291	13	4

	l.	*s.*	*d.*	*q.*
1	0	0	7	1
2	0	1	2	2
3	0	1	9	3
4	0	2	5	0
5	0	3	0	1
6	0	3	7	2
7	0	4	2	3
8	0	4	10	0
9	0	5	5	1
10	0	6	0	2
11	0	6	7	3
12	0	7	3	0
13	0	7	10	1
14	0	8	5	2
15	0	9	0	3
16	0	9	8	0
17	0	10	3	1
18	0	10	10	2
19	0	11	5	3
20	0	12	1	0
21	0	12	8	1
22	0	13	3	2
23	0	13	10	3
24	0	14	6	0
25	0	15	1	1
26	0	15	8	2
27	0	16	3	3
(28)	0	16	11	0
29	0	17	6	1
30	0	18	1	2
31	0	18	8	3
32	0	19	4	0
33	0	19	11	1
34	1	0	6	2
35	1	1	1	3

	l.	*s.*	*d.*	*q.*
36	1	1	9	0
37	1	2	4	1
38	1	2	11	2
39	1	3	6	3
40	1	4	2	0
50	1	10	2	2
(56)	1	13	10	0
60	1	16	3	0
70	2	2	3	2
80	2	8	4	0
(84)	2	10	9	0
90	2	14	4	2
100	3	0	5	0
(112)	3	7	8	0
200	6	0	10	0
(224)	6	15	4	0
300	9	1	3	0
(336)	10	3	0	0
400	12	1	8	0
(448)	13	10	8	0
500	15	2	1	0
(560)	16	18	4	0
600	18	2	6	0
(672)	20	6	0	0
700	21	2	11	0
(784)	23	13	8	0
800	24	3	4	0
(896)	27	1	4	0
900	27	3	9	0
1000	30	4	2	0
2000	60	8	4	0
3000	90	12	6	0
4000	120	16	8	0
5000	151	0	10	0
10000	302	1	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	7	2
2	0	1	3	0
3	0	1	10	2
4	0	2	6	0
5	0	3	1	2
6	0	3	9	0
7	0	4	4	2
8	0	5	0	0
9	0	5	7	2
10	0	6	3	0
11	0	6	10	2
12	0	7	6	0
13	0	8	1	2
14	0	8	9	0
15	0	9	4	2
16	0	10	0	0
17	0	10	7	2
18	0	11	3	0
19	0	11	10	2
20	0	12	6	0
21	0	13	1	2
22	0	13	9	0
23	0	14	4	2
24	0	15	0	0
25	0	15	7	2
26	0	16	3	0
27	0	16	10	2
28	0	17	6	0
29	0	18	1	2
30	0	18	9	0
31	0	19	4	2
32	1	0	0	0
33	1	0	7	2
34	1	1	3	0
35	1	1	10	2

	l.	*s.*	*d.*	*q.*
36	1	2	6	0
37	1	3	1	2
38	1	3	9	0
39	1	4	4	2
40	1	5	0	0
50	1	11	3	0
(56)	1	15	0	0
60	1	17	6	0
70	2	3	9	0
80	2	10	0	0
(84)	2	12	6	0
90	2	16	3	0
100	3	2	6	0
(112)	3	10	0	0
200	6	5	0	0
(224)	7	0	0	0
300	9	7	6	0
(336)	10	10	0	0
400	12	10	0	0
(448)	14	0	0	0
500	15	12	6	0
(560)	17	10	0	0
600	18	15	0	0
(672)	21	0	0	0
700	21	17	6	0
(784)	24	10	0	0
800	25	0	0	0
(896)	28	0	0	0
900	28	2	6	0
1000	31	5	0	0
2000	62	10	0	0
3000	93	15	0	0
4000	125	0	0	0
5000	156	5	0	0
10000	312	10	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	7	3
2	0	1	3	2
3	0	1	11	1
4	0	2	7	0
5	0	3	2	3
6	0	3	10	2
7	0	4	6	1
8	0	5	2	0
9	0	5	9	3
10	0	6	5	2
11	0	7	1	1
12	0	7	9	0
13	0	8	4	3
14	0	9	0	2
15	0	9	8	1
16	0	10	4	0
17	0	10	11	3
18	0	11	7	2
19	0	12	3	1
20	0	12	11	0
21	0	13	6	3
22	0	14	2	2
23	0	14	10	1
24	0	15	6	0
25	0	16	1	3
26	0	16	9	2
27	0	17	5	1
(28)	0	18	1	0
29	0	18	8	3
30	0	19	4	2
31	1	0	0	1
32	1	0	8	0
33	1	1	3	3
34	1	1	11	2
35	1	2	7	1
36	1	3	3	0
37	1	3	10	3
38	1	4	6	2
39	1	5	2	1
40	1	5	10	0
50	1	12	3	2
(56)	1	16	2	0
60	1	18	9	0
70	2	5	2	2
80	2	11	8	0
(84)	2	14	3	0
90	2	18	1	2
100	3	4	7	0
(112)	3	12	4	0
200	6	9	2	0
(224)	7	4	8	0
300	9	13	9	0
(336)	10	17	0	0
400	12	18	4	0
(448)	14	9	4	0
500	16	2	11	0
(560)	18	1	8	0
600	19	7	6	0
(672)	21	14	0	0
700	22	12	1	0
(784)	25	6	4	0
800	25	16	8	0
(896)	28	18	8	0
900	29	1	3	0
1000	32	5	10	0
2000	64	11	8	0
3000	96	17	6	0
4000	129	3	4	0
5000	161	9	2	0
10000	322	18	4	0

	l.	*s.*	*d.*
1	0	0	8
2	0	1	4
3	0	2	0
4	0	2	8
5	0	3	4
6	0	4	0
7	0	4	8
8	0	5	4
9	0	6	0
10	0	6	8
11	0	7	4
12	0	8	0
13	0	8	8
14	0	9	4
15	0	10	0
16	0	10	8
17	0	11	4
18	0	12	0
19	0	12	8
20	0	13	4
21	0	14	0
22	0	14	8
23	0	15	4
24	0	16	0
25	0	16	8
26	0	17	4
27	0	18	0
(28)	0	18	8
29	0	19	4
30	1	0	0
31	1	0	8
32	1	1	4
33	1	2	0
34	1	2	8
35	1	3	4
36	1	4	0
37	1	4	8
38	1	5	4
39	1	6	0
40	1	6	8
50	1	13	4
(56)	1	17	4
60	2	0	0
70	2	6	8
80	2	13	4
(84)	2	16	0
90	3	0	0
100	3	6	8
(112)	3	14	8
200	6	13	4
(224)	7	9	4
300	10	0	0
(336)	11	4	0
400	13	6	8
(448)	14	18	8
500	16	13	4
(560)	18	13	4
600	20	0	0
(672)	22	8	0
700	23	6	8
(784)	26	2	8
800	26	13	4
(896)	29	17	4
900	30	0	0
1000	33	6	8
2000	66	13	4
3000	100	0	0
4000	133	6	8
5000	166	13	4
10000	333	6	8

	l.	*s.*	*d.*	*q.*
1	0	0	8	1
2	0	1	4	2
3	0	2	0	3
4	0	2	9	0
5	0	3	5	1
6	0	4	1	2
7	0	4	9	3
8	0	5	6	0
9	0	6	2	1
10	0	6	10	2
11	0	7	6	3
12	0	8	3	0
13	0	8	11	1
14	0	9	7	2
15	0	10	3	3
16	0	11	0	0
17	0	11	8	1
18	0	12	4	2
19	0	13	0	3
20	0	13	9	0
21	0	14	5	1
22	0	15	1	2
23	0	15	9	3
24	0	16	6	0
25	0	17	2	1
26	0	17	10	2
27	0	18	6	3
(28)	0	19	3	0
29	0	19	11	1
30	1	0	7	2
31	1	1	3	3
32	1	2	0	0
33	1	2	8	1
34	1	3	4	2
35	1	4	0	3
36	1	4	9	0
37	1	5	5	1
38	1	6	1	2
39	1	6	9	3
40	1	7	6	0
50	1	14	4	2
(56)	1	18	6	0
60	2	1	3	0
70	2	8	1	2
80	2	15	0	0
(84)	2	17	9	0
90	3	1	10	2
100	3	8	9	0
(112)	3	17	0	0
200	6	17	6	0
(224)	7	14	0	0
300	10	6	3	0
(336)	11	11	0	0
400	13	15	9	0
(448)	15	8	0	0
500	17	3	9	0
(560)	19	5	0	0
600	20	12	6	0
(672)	23	2	0	0
700	24	1	3	0
(784)	26	19	0	0
800	27	10	0	0
(896)	30	16	0	0
900	30	18	9	0
1000	34	7	6	0
2000	68	15	0	0
3000	103	2	6	0
4000	137	10	0	0
5000	171	17	6	0
10000	343	15	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	8	2
2	0	1	5	0
3	0	2	1	2
4	0	2	10	0
5	0	3	6	2
6	0	4	3	0
7	0	4	11	2
8	0	5	8	0
9	0	6	4	2
10	0	7	1	0
11	0	7	9	2
12	0	8	6	0
13	0	9	2	2
14	0	9	11	0
15	0	10	7	2
16	0	11	4	0
17	0	12	0	2
18	0	12	9	0
19	0	13	5	2
20	0	14	2	0
21	0	14	10	2
22	0	15	7	0
23	0	16	3	2
24	0	17	0	0
25	0	17	8	2
26	0	18	5	0
27	0	19	1	2
(28)	0	19	10	0
29	1	0	6	2
30	1	1	3	0
31	1	1	11	2
32	1	2	8	0
33	1	3	4	2
34	1	4	1	0
35	1	4	9	2

	l.	*s.*	*d.*	*q.*
36	1	5	6	0
37	1	6	2	2
38	1	6	11	0
39	1	7	7	2
40	1	8	4	0
50	1	15	5	0
(56)	1	19	8	0
60	2	2	6	0
70	2	9	7	0
80	2	16	8	0
(84)	2	19	6	0
90	3	3	9	0
100	3	10	10	0
(112)	3	19	4	0
200	7	1	8	0
(224)	7	18	8	0
300	10	12	6	0
(336)	11	18	0	0
400	14	3	4	0
(448)	15	17	4	0
500	17	14	2	0
(560)	19	16	8	0
600	21	5	0	0
(672)	23	16	0	0
700	24	15	10	0
(784)	27	15	4	0
800	28	6	8	0
(896)	31	14	8	0
900	31	17	6	0
1000	35	8	4	0
2000	70	16	8	0
3000	106	5	0	0
4000	141	13	4	0
5000	177	1	8	0
10000	354	3	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	8	3
2	0	1	5	2
3	0	2	2	1
4	0	2	11	0
5	0	3	7	3
6	0	4	4	2
7	0	5	1	1
8	0	5	10	0
9	0	6	6	3
10	0	7	3	2
11	0	8	0	1
12	0	8	9	0
13	0	9	5	3
14	0	10	2	2
15	0	10	11	1
16	0	11	8	0
17	0	12	4	3
18	0	13	1	2
19	0	13	10	1
20	0	14	7	0
21	0	15	3	3
22	0	16	0	2
23	0	16	9	1
24	0	17	6	0
25	0	18	2	3
26	0	18	11	2
27	0	19	8	1
(28)	1	0	5	0
29	1	1	1	3
30	1	1	10	2
31	1	2	7	1
32	1	3	4	0
33	1	4	0	3
34	1	4	9	2
35	1	5	6	1

	l.	*s.*	*d.*	*q.*
36	1	6	3	0
37	1	6	11	3
38	1	7	8	2
39	1	8	5	1
40	1	9	2	0
50	1	16	5	2
(56)	2	0	10	0
60	2	3	9	0
70	2	11	0	2
80	2	18	4	0
(84)	3	1	3	0
90	3	5	7	2
100	3	12	11	0
(112)	4	1	8	0
200	7	5	10	0
(224)	8	3	4	0
300	10	18	9	0
(336)	12	5	0	0
400	14	11	8	0
(448)	16	6	8	0
500	18	4	7	0
(560)	20	8	4	0
600	21	17	6	0
(672)	24	10	0	0
700	25	10	5	0
(784)	28	11	8	0
800	29	3	4	0
(896)	32	13	4	0
900	32	16	3	0
1000	36	9	2	0
2000	72	18	4	0
3000	109	7	6	0
4000	145	16	8	0
5000	182	5	10	0
10000	364	11	8	0

	l.	*s.*	*d.*
1	0	0	9
2	0	1	6
3	0	2	3
4	0	3	0
5	0	3	9
6	0	4	6
7	0	5	3
8	0	6	0
9	0	6	9
10	0	7	6
11	0	8	3
12	0	9	0
13	0	9	9
14	0	10	6
15	0	11	3
16	0	12	0
17	0	12	9
18	0	13	6
19	0	14	3
20	0	15	0
21	0	15	9
22	0	16	6
23	0	17	3
24	0	18	0
25	0	18	9
26	0	19	6
27	1	0	3
(28)	1	1	0
29	1	1	9
30	1	2	6
31	1	3	3
32	1	4	0
33	1	4	9
34	1	5	6
35	1	6	3
36	1	7	0
37	1	7	9
38	1	8	6
39	1	9	3
40	1	10	0
50	1	17	6
(56)	2	2	0
60	2	5	0
70	2	12	6
80	3	0	0
(84)	3	3	0
90	3	7	6
100	3	15	0
(112)	4	4	0
200	7	10	0
(224)	8	8	0
300	11	5	0
(336)	12	12	0
400	15	0	0
(448)	16	16	0
500	18	15	0
(560)	21	0	0
600	22	10	0
(672)	25	4	0
700	26	5	0
(784)	29	8	0
800	30	0	0
(896)	33	12	0
900	33	15	0
1000	37	10	0
2000	75	0	0
3000	112	10	0
4000	150	0	0
5000	187	10	0
10000	375	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	9	1
2	0	1	6	2
3	0	2	3	3
4	0	3	1	0
5	0	3	10	1
6	0	4	7	2
7	0	5	4	3
8	0	6	2	0
9	0	6	11	1
10	0	7	8	2
11	0	8	5	3
12	0	9	3	0
13	0	10	0	1
14	0	10	9	2
15	0	11	6	3
16	0	12	4	0
17	0	13	1	1
18	0	13	10	2
19	0	14	7	3
20	0	15	5	0
21	0	16	2	1
22	0	16	11	2
23	0	17	8	3
24	0	18	6	0
25	0	19	3	1
26	1	0	0	2
27	1	0	9	3
(28)	1	1	7	0
29	1	2	4	1
30	1	3	1	2
31	1	3	10	3
32	1	4	8	0
33	1	5	5	1
34	1	6	2	2
35	1	6	11	3

	l.	*s.*	*d.*	*q.*
36	1	7	9	0
37	1	8	6	1
38	1	9	3	2
39	1	10	0	3
40	1	10	10	0
50	1	18	6	2
(56)	2	3	2	0
60	2	6	3	0
70	2	13	11	2
80	3	1	8	0
(84)	3	4	9	0
90	3	9	4	2
100	3	17	1	0
(112)	4	6	4	0
200	7	14	2	0
(224)	8	12	8	0
300	11	11	3	0
(336)	12	19	0	0
400	15	8	4	0
(448)	17	5	4	0
500	19	5	5	0
(560)	21	11	8	0
600	23	2	6	0
(672)	25	18	0	0
700	26	19	7	0
(784)	30	4	4	0
800	30	16	8	0
(896)	34	10	8	0
900	34	13	9	0
1000	38	10	10	0
2000	77	1	8	0
3000	115	12	6	0
4000	154	3	4	0
5000	192	14	2	0
10000	385	8	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	9	2
2	0	1	7	0
3	0	2	4	2
4	0	3	2	0
5	0	3	11	2
6	0	4	9	0
7	0	5	6	2
8	0	6	4	0
9	0	7	1	2
10	0	7	11	0
11	0	8	8	2
12	0	9	6	0
13	0	10	3	2
14	0	11	1	0
15	0	11	10	2
16	0	12	8	0
17	0	13	5	2
18	0	14	3	0
19	0	15	0	2
20	0	15	10	0
21	0	16	7	2
22	0	17	5	0
23	0	18	2	2
24	0	19	0	0
25	0	19	9	2
26	1	0	7	0
27	1	1	4	2
(28)	1	2	2	0
29	1	2	11	2
30	1	3	9	0
31	1	4	6	2
32	1	5	4	0
33	1	6	1	2
34	1	6	11	0
35	1	7	8	2
36	1	8	6	0
37	1	9	3	2
38	1	10	1	0
39	1	10	10	2
40	1	11	8	0
50	1	19	7	0
(56)	2	4	4	0
60	2	7	6	0
70	2	15	5	0
80	3	3	4	0
(84)	3	6	6	0
90	3	11	3	0
100	3	19	2	0
(112)	4	8	8	0
200	7	18	4	0
(224)	8	17	4	0
300	11	17	6	0
(336)	13	6	0	0
400	15	16	8	0
(448)	17	14	8	0
500	19	15	10	0
(560)	22	3	4	0
600	23	15	0	0
(672)	26	12	0	0
700	27	14	2	0
(784)	31	0	8	0
800	31	13	4	0
(896)	35	9	4	0
900	35	12	6	0
1000	39	11	8	0
2000	79	3	4	0
3000	118	15	0	0
4000	158	6	8	0
5000	197	18	4	0
10000	395	16	8	0

	l.	s.	d.	q.
1	0	0	9	3
2	0	1	7	2
3	0	2	5	1
4	0	3	3	0
5	0	4	0	3
6	0	4	10	2
7	0	5	8	1
8	0	6	6	0
9	0	7	3	3
10	0	8	1	2
11	0	8	11	1
12	0	9	9	0
13	0	10	6	3
14	0	11	4	2
15	0	12	2	1
16	0	13	0	0
17	0	13	9	3
18	0	14	7	2
19	0	15	5	1
20	0	16	3	0
21	0	17	0	3
22	0	17	10	2
23	0	18	8	1
24	0	19	6	0
25	1	0	3	3
26	1	1	1	2
27	1	1	11	1
(28)	1	2	9	0
29	1	3	6	3
30	1	4	4	2
31	1	5	2	1
32	1	6	0	0
33	1	6	9	3
34	1	7	7	2
35	1	8	5	1

	l.	s.	d.	q.
36	1	9	3	0
37	1	10	0	3
38	1	10	10	2
39	1	11	8	1
40	1	12	6	0
50	2	0	7	2
(56)	2	5	6	0
60	2	8	9	0
70	2	16	10	2
80	3	5	0	0
(84)	3	8	3	0
90	3	13	1	2
100	4	1	3	0
(112)	4	11	0	0
200	8	2	6	0
(224)	9	2	0	0
300	12	3	9	0
(336)	13	13	0	0
400	16	5	0	0
(448)	18	4	0	0
500	20	6	3	0
(560)	22	15	0	0
600	24	7	6	0
(672)	27	6	0	0
700	28	8	9	0
(784)	31	17	0	0
800	32	10	0	0
(896)	36	8	0	0
900	36	11	3	0
1000	40	12	6	0
2000	81	5	0	0
3000	121	17	6	0
4000	162	10	0	0
5000	203	2	6	0
10000	406	5	0	0

	l.	s.	d.
1	0	0	10
2	0	1	8
3	0	2	6
4	0	3	4
5	0	4	2
6	0	5	0
7	0	5	10
8	0	6	8
9	0	7	6
10	0	8	4
11	0	9	2
12	0	10	0
13	0	10	10
14	0	11	8
15	0	12	6
16	0	13	4
17	0	14	2
18	0	15	0
19	0	15	10
20	0	16	8
21	0	17	6
22	0	18	4
23	0	19	2
24	1	0	0
25	1	0	10
26	1	1	8
27	1	2	6
(28)	1	3	4
29	1	4	2
30	1	5	0
31	1	5	10
32	1	6	8
33	1	7	6
34	1	8	4
35	1	9	2

l: 14.	l.	s.	d.
36	1	10	0
37	1	10	10
38	1	11	8
39	1	12	6
40	1	13	4
50	2	1	8
(56)	2	6	8
60	2	10	0
70	2	18	4
80	3	6	8
(84)	3	10	0
90	3	15	0
100	4	3	4
(112)	4	13	4
200	8	6	8
(224)	9	6	8
300	12	10	0
(336)	14	0	0
400	16	13	4
(448)	18	13	4
500	20	16	8
(560)	23	6	8
600	25	0	0
(672)	28	0	0
700	29	3	4
(784)	32	13	4
800	33	6	8
(896)	37	6	8
900	37	10	0
1000	41	13	4
2000	83	6	8
3000	125	0	0
4000	166	13	4
5000	208	6	8
10000	416	13	4

	l.	*s.*	*d.*	*q.*
1	0	0	10	1
2	0	1	8	2
3	0	2	6	3
4	0	3	5	0
5	0	4	3	1
6	0	5	1	2
7	0	5	11	3
8	0	6	10	0
9	0	7	8	1
10	0	8	6	2
11	0	9	4	3
12	0	10	3	0
13	0	11	1	1
14	0	11	11	2
15	0	12	9	3
16	0	13	8	0
17	0	14	6	1
18	0	15	4	2
19	0	16	2	3
20	0	17	1	0
21	0	17	11	1
22	0	18	9	2
23	0	19	7	3
24	1	0	6	0
25	1	1	4	1
26	1	2	2	2
27	1	3	0	3
(28)	1	3	11	0
29	1	4	9	1
30	1	5	7	2
31	1	6	5	3
32	1	7	4	0
33	1	8	2	1
34	1	9	0	2
35	1	9	10	3

	l.	*s.*	*d.*	*q.*
36	1	10	9	0
37	1	11	7	1
38	1	12	5	2
39	1	13	3	3
40	1	14	2	0
50	2	2	8	2
(56)	2	7	10	0
60	2	11	3	0
70	2	19	9	2
80	3	8	4	0
(84)	3	11	9	0
90	3	16	10	2
100	4	5	5	0
(112)	4	15	8	0
200	8	10	10	0
(224)	9	11	4	0
300	12	16	3	0
(336)	14	7	0	0
400	17	1	8	0
(448)	19	2	8	0
500	21	7	1	0
(560)	23	18	4	0
600	25	12	6	0
(672)	28	14	0	0
700	29	17	11	0
(784)	33	9	8	0
800	34	3	4	0
(896)	38	5	4	0
900	38	8	9	0
1000	42	14	2	0
2000	85	8	4	0
3000	128	2	6	0
4000	170	16	8	0
5000	213	10	10	0
10000	427	1	8	0

	l.	*s.*	*d.*	*q.*
1	0	0	10	2
2	0	1	9	0
3	0	2	7	2
4	0	3	6	0
5	0	4	4	2
6	0	5	3	0
7	0	6	1	2
8	0	7	0	0
9	0	7	10	2
10	0	8	9	0
11	0	9	7	2
12	0	10	6	0
13	0	11	4	2
14	0	12	3	0
15	0	13	1	2
16	0	14	0	0
17	0	14	10	2
18	0	15	9	0
19	0	16	7	2
20	0	17	6	0
21	0	18	4	2
22	0	19	3	0
23	1	0	1	2
24	1	1	0	0
25	1	1	10	2
26	1	2	9	0
27	1	3	7	2
28)	1	4	6	0
29	1	5	4	2
30	1	6	3	0
31	1	7	1	2
32	1	8	0	0
33	1	8	10	2
34	1	9	9	0
35	1	10	7	2

	l.	*s.*	*d.*	*q.*
36	1	11	6	0
37	1	12	4	2
38	1	13	3	0
39	1	14	1	2
40	1	15	0	0
50	2	3	9	0
(56)	2	9	0	0
60	2	12	6	0
70	3	1	3	0
80	3	10	0	0
(84)	3	13	6	0
90	3	18	9	0
100	4	7	6	0
(112)	4	18	0	0
200	8	15	0	0
(224)	9	16	0	0
300	13	2	6	0
(336)	14	14	0	0
400	17	10	0	0
(448)	19	12	0	0
500	21	17	6	0
(560)	24	10	0	0
600	26	5	0	0
(672)	29	8	0	0
700	30	12	6	0
(784)	34	6	0	0
800	35	0	0	0
(896)	39	4	0	0
900	39	7	6	0
1000	43	15	0	0
2000	87	10	0	0
3000	131	5	0	0
4000	175	0	0	0
5000	218	15	0	0
10000	437	10	0	0

	l.	*s.*	*d.*	*q.*
1	0	0	10	3
2	0	1	9	2
3	0	2	8	1
4	0	3	7	0
5	0	4	5	3
6	0	5	4	2
7	0	6	3	1
8	0	7	2	0
9	0	8	0	3
10	0	8	11	2
11	0	9	10	1
12	0	10	9	0
13	0	11	7	3
14	0	12	6	2
15	0	13	5	1
16	0	14	4	0
17	0	15	2	3
18	0	16	1	2
19	0	17	0	1
20	0	17	11	0
21	0	18	9	3
22	0	19	8	2
23	1	0	7	1
24	1	1	6	0
25	1	2	4	3
26	1	3	3	2
27	1	4	2	1
(28)	1	5	1	0
29	1	5	11	3
30	1	6	10	2
31	1	7	9	1
32	1	8	8	0
33	1	9	6	3
34	1	10	5	2
35	1	11	4	1

	l.	*s.*	*d.*	*q.*
36	1	12	3	0
37	1	13	1	3
38	1	14	0	2
39	1	14	11	1
40	1	15	10	0
50	2	4	9	2
(56)	2	10	2	0
60	2	13	9	0
70	3	2	8	2
80	3	11	8	0
(84)	3	15	3	0
90	4	0	7	2
100	4	9	7	0
(112)	5	0	4	0
200	8	19	2	0
(224)	10	0	8	0
300	13	8	9	0
(336)	15	1	0	0
400	17	18	4	0
(448)	20	1	4	0
500	22	7	11	0
(560)	25	1	8	0
600	26	17	6	0
(672)	30	2	0	0
700	31	7	1	0
(784)	35	2	4	0
800	35	16	8	0
(896)	40	2	8	0
900	40	6	3	0
1000	44	15	10	0
2000	89	11	8	0
3000	134	7	6	0
4000	179	3	4	0
5000	223	19	2	0
10000	447	18	4	0

	l.	s.	d.
1	0	0	11
2	0	1	10
3	0	2	9
4	0	3	8
5	0	4	7
6	0	5	6
7	0	6	5
8	0	7	4
9	0	8	3
10	0	9	2
11	0	10	1
12	0	11	0
13	0	11	11
14	0	12	10
15	0	13	9
16	0	14	8
17	0	15	7
18	0	16	6
19	0	17	5
20	0	18	4
21	0	19	3
22	1	0	2
23	1	1	1
24	1	2	0
25	1	2	11
26	1	3	10
27	1	4	9
(28)	1	5	8
29	1	6	7
30	1	7	6
31	1	8	5
32	1	9	4
33	1	10	3
34	1	11	2
35	1	12	1

	l.	s.	d.
36	1	13	0
37	1	13	11
38	1	14	10
39	1	15	9
40	1	16	8
50	2	5	10
(56)	2	11	4
60	2	15	0
70	3	4	2
80	3	13	4
(84)	3	17	0
90	4	2	6
100	4	11	8
(112)	5	2	8
200	9	3	4
(224)	10	5	4
300	13	15	0
(336)	15	8	0
400	18	6	8
(448)	20	10	8
500	22	18	4
(560)	25	13	4
600	27	10	0
(672)	30	16	0
700	32	1	8
(784)	35	18	8
800	36	13	4
(896)	41	1	4
900	41	5	0
1000	45	16	8
2000	91	13	4
3000	137	10	0
4000	183	6	8
5000	229	3	4
10000	458	6	8

	l.	*s.*	*d.*	*q.*
1	0	0	11	1
2	0	1	10	2
3	0	2	9	3
4	0	3	9	0
5	0	4	8	1
6	0	5	7	2
7	0	6	6	3
8	0	7	6	0
9	0	8	5	1
10	0	9	4	2
11	0	10	3	3
12	0	11	3	0
13	0	12	2	1
14	0	13	1	2
15	0	14	0	3
16	0	15	0	0
17	0	15	11	1
18	0	16	10	2
19	0	17	9	3
20	0	18	9	0
21	0	19	8	1
22	1	0	7	2
23	1	1	6	3
24	1	2	6	0
25	1	3	5	1
26	1	4	4	2
27	1	5	3	3
(28)	1	6	3	0
29	1	7	2	1
30	1	8	1	2
31	1	9	0	3
32	1	10	0	0
33	1	10	11	1
34	1	11	10	2
35	1	12	9	3
36	1	13	9	0
37	1	14	8	1
38	1	15	7	2
39	1	16	6	3
40	1	17	6	0
50	2	6	10	2
(56)	2	12	6	0
60	2	16	3	0
70	3	5	7	2
80	3	15	0	0
(84)	3	18	9	0
90	4	4	4	2
100	4	13	9	0
(112)	5	5	0	0
200	9	7	6	0
(224)	10	10	0	0
300	14	1	3	0
(336)	15	15	0	0
400	18	15	0	0
(448)	21	0	0	0
500	23	8	9	0
(560)	26	5	0	0
600	28	2	6	0
(672)	31	10	0	0
700	32	16	3	0
(784)	36	15	0	0
800	37	10	0	0
(896)	42	0	0	0
900	42	3	9	0
1000	46	17	6	0
2000	93	15	0	0
3000	140	12	6	0
4000	187	10	0	0
5000	234	7	6	0
10000	468	15	0	0

	l.	s.	d.	q.
1	0	0	11	2
2	0	1	11	0
3	0	2	10	2
4	0	3	10	0
5	0	4	9	2
6	0	5	9	0
7	0	6	8	2
8	0	7	8	0
9	0	8	7	2
10	0	9	7	0
11	0	10	6	2
12	0	11	6	0
13	0	12	5	2
14	0	13	5	0
15	0	14	4	2
16	0	15	4	0
17	0	16	3	2
18	0	17	3	0
19	0	18	2	2
20	0	19	2	0
21	1	0	1	2
22	1	1	1	0
23	1	2	0	2
24	1	3	0	0
25	1	3	11	2
26	1	4	11	0
27	1	5	10	2
28	1	6	10	0
29	1	7	9	2
30	1	8	9	0
31	1	9	8	2
32	1	10	8	0
33	1	11	7	2
34	1	12	7	0
35	1	13	6	2

	l.	s.	d.	q.
36	1	14	6	0
37	1	15	5	2
38	1	16	5	0
39	1	17	4	2
40	1	18	4	0
50	2	7	11	0
(56)	2	13	8	0
60	2	17	6	0
70	3	7	1	0
80	3	16	8	0
(84)	4	0	6	0
90	4	6	3	0
100	4	15	10	0
(112)	5	7	4	0
200	9	11	8	0
(224)	10	14	8	0
300	14	7	6	0
(336)	16	2	0	0
400	19	3	4	0
(448)	21	9	4	0
500	23	19	2	0
(560)	26	16	8	0
600	28	15	0	0
(672)	32	4	0	0
700	33	10	10	0
(784)	37	11	4	0
800	38	6	8	0
(896)	42	18	8	0
900	43	2	6	0
1000	47	18	4	0
2000	95	16	8	0
3000	143	15	0	0
4000	191	13	4	0
5000	239	11	8	0
10000	479	3	4	0

	l.	*s.*	*d.*	*q.*
1	0	0	11	3
2	0	1	11	2
3	0	2	11	1
4	0	3	11	0
5	0	4	10	3
6	0	5	10	2
7	0	6	10	1
8	0	7	10	0
9	0	8	9	3
10	0	9	9	2
11	0	10	9	1
12	0	11	9	0
13	0	12	8	3
14	0	13	8	2
15	0	14	8	1
16	0	15	8	0
17	0	16	7	3
18	0	17	7	2
19	0	18	7	1
20	0	19	7	0
21	1	0	6	3
22	1	1	6	2
23	1	2	6	1
24	1	3	6	0
25	1	4	5	3
26	1	5	5	2
27	1	6	5	1
(28)	1	7	5	0
29	1	8	4	3
30	1	9	4	2
31	1	10	4	1
32	1	11	4	0
33	1	12	3	3
34	1	13	3	2
35	1	14	3	1

	l.	*s.*	*d.*	*q.*
36	1	15	3	0
37	1	16	2	3
38	1	17	2	2
39	1	18	2	1
40	1	19	2	0
50	2	8	11	2
(56)	2	14	10	0
60	2	18	9	0
70	3	8	6	2
80	3	18	4	0
(84)	4	2	3	0
90	4	8	1	2
100	4	17	11	0
(112)	5	9	8	0
200	9	15	10	0
(224)	10	19	4	0
300	14	13	9	0
(336)	16	9	6	0
400	19	11	8	0
(448)	21	18	8	0
500	24	9	7	0
(560)	27	8	4	0
600	29	7	6	0
(672)	32	18	0	0
700	34	5	5	0
(784)	38	7	8	2
800	39	3	4	0
(896)	43	17	4	0
900	44	1	3	0
1000	48	19	2	0
2000	97	18	4	0
3000	146	17	6	0
4000	195	16	8	0
5000	244	15	10	0
10000	489	11	8	0

	l.	*s.*
1	0	1
2	0	2
3	0	3
4	0	4
5	0	5
6	0	6
7	0	7
8	0	8
9	0	9
10	0	10
11	0	11
12	0	12
13	0	13
14	0	14
15	0	15
16	0	16
17	0	17
18	0	18
19	0	19
20	1	0
21	1	1
22	1	2
23	1	3
24	1	4
25	1	5
26	1	6
27	1	7
28	1	8
29	1	9
30	1	10
31	1	11
32	1	12
33	1	13
34	1	14
35	1	15

	l.	*s.*
36	1	16
37	1	17
38	1	18
39	1	19
40	2	0
50	2	10
(56)	2	16
60	3	0
70	3	10
80	4	0
(84)	4	4
90	4	10
100	5	0
(112)	5	12
200	10	0
(224)	11	4
300	15	0
(336)	16	16
400	20	0
(448)	22	8
500	25	0
(560)	28	0
600	30	0
(672)	33	12
700	35	0
(784)	39	4
800	40	0
(896)	44	16
900	45	0
1000	50	0
2000	100	0
3000	150	0
4000	200	0
5000	250	0
10000	500	0

	l.	s.	d.
1	0	1	1
2	0	2	2
3	0	3	3
4	0	4	4
5	0	5	5
6	0	6	6
7	0	7	7
8	0	8	8
9	0	9	9
10	0	10	10
11	0	11	11
12	0	13	0
13	0	14	1
14	0	15	2
15	0	16	3
16	0	17	4
17	0	18	5
18	0	19	6
19	1	0	7
20	1	1	8
21	1	2	9
22	1	3	10
23	1	4	11
24	1	6	0
25	1	7	1
26	1	8	2
27	1	9	3
(28)	1	10	4
29	1	11	5
30	1	12	6
31	1	13	7
32	1	14	8
33	1	15	9
34	1	16	10
35	1	17	11
36	1	19	0
37	2	0	1
38	2	1	2
39	2	2	3
40	2	3	4
50	2	14	2
(56)	3	0	8
60	3	5	0
70	3	15	10
80	4	6	8
(84)	4	11	0
90	4	17	6
100	5	8	4
(112)	6	1	4
200	10	16	8
(224)	12	2	8
300	16	5	0
(336)	18	4	0
400	21	13	4
(448)	24	5	4
500	27	1	8
(560)	30	6	8
600	32	10	0
(672)	36	8	0
700	37	18	4
(784)	42	9	4
800	43	6	8
(896)	48	10	8
900	48	15	0
1000	54	3	4
2000	108	6	8
3000	162	10	0
4000	216	13	4
5000	270	16	8
10000	541	13	4

	l.	*s.*	*d.*	*q.*
1	0	1	1	2
2	0	2	3	0
3	0	3	4	2
4	0	4	6	0
5	0	5	7	2
6	0	6	9	0
7	0	7	10	2
8	0	9	0	0
9	0	10	1	2
10	0	11	3	0
11	0	12	4	2
12	0	13	6	0
13	0	14	7	2
14	0	15	9	0
15	0	16	10	2
16	0	18	0	0
17	0	19	1	2
18	1	0	3	0
19	1	1	4	2
20	1	2	6	0
21	1	3	7	2
22	1	4	9	0
23	1	5	10	2
24	1	7	0	0
25	1	8	1	2
26	1	9	3	0
27	1	10	4	2
28	1	11	6	0
29	1	12	7	2
30	1	13	9	0
31	1	14	10	2
32	1	16	0	0
33	1	17	1	2
34	1	18	3	0
35	1	19	4	2

	l.	*s.*	*d.*	*q.*
36	2	0	6	0
37	2	1	7	2
38	2	2	9	0
39	2	3	10	2
40	2	5	0	0
50	2	16	3	0
(56)	3	3	0	0
60	3	7	6	0
70	3	18	9	0
80	4	10	0	0
(84)	4	14	6	0
90	5	1	3	0
100	5	12	6	0
(112)	6	6	0	0
200	11	5	0	0
(224)	12	12	0	0
300	16	17	6	0
(336)	18	18	0	0
400	22	10	0	0
(448)	25	4	0	0
500	28	2	6	0
(560)	31	10	0	0
600	33	15	0	0
(672)	37	16	0	0
700	39	7	6	0
(784)	44	2	0	0
800	45	0	0	0
(896)	50	8	0	0
900	50	12	6	0
1000	56	5	0	0
2000	112	10	0	0
3000	168	15	0	0
4000	225	0	0	0
5000	281	5	0	0
10000	562	10	0	0

	l.	*s.*	*d.*
1	0	1	2
2	0	2	4
3	0	3	6
4	0	4	8
5	0	5	10
6	0	7	0
7	0	8	2
8	0	9	4
9	0	10	6
10	0	11	8
11	0	12	10
12	0	14	0
13	0	15	2
14	0	16	4
15	0	17	6
16	0	18	8
17	0	19	10
18	1	1	0
19	1	2	2
20	1	3	4
21	1	4	6
22	1	5	8
23	1	6	10
24	1	8	0
25	1	9	2
26	1	10	4
27	1	11	6
(28)	1	12	8
29	1	13	10
30	1	15	0
31	1	16	2
32	1	17	4
33	1	18	6
34	1	19	8
35	2	0	10
36	2	2	0
37	2	3	2
38	2	4	4
39	2	5	6
40	2	6	8
50	2	18	4
(56)	3	5	4
60	3	10	0
70	4	1	8
80	4	13	4
(84)	4	18	0
90	5	5	0
100	5	16	8
(112)	6	10	8
200	11	13	4
(224)	13	1	4
300	17	10	0
(336)	19	12	0
400	23	6	8
(448)	26	2	8
500	29	3	4
(560)	32	13	4
600	35	0	0
(672)	39	4	0
700	40	16	8
(784)	45	14	8
800	46	13	4
(896)	52	5	4
900	52	10	0
1000	58	6	8
2000	116	13	4
3000	175	0	0
4000	233	6	8
5000	291	13	4
10000	583	6	8

	l.	*s.*	*d.*
1	0	1	3
2	0	2	6
3	0	3	9
4	0	5	0
5	0	6	3
6	0	7	6
7	0	8	9
8	0	10	0
9	0	11	3
10	0	12	6
11	0	13	9
12	0	15	0
13	0	16	3
14	0	17	6
15	0	18	9
16	1	0	0
17	1	1	3
18	1	2	6
19	1	3	9
20	1	5	0
21	1	6	3
22	1	7	6
23	1	8	9
24	1	10	0
25	1	11	3
26	1	12	6
27	1	13	9
(28)	1	15	0
29	1	16	3
30	1	17	6
31	1	18	9
32	2	0	0
33	2	1	3
34	2	2	6
35	2	3	9
36	2	5	0
37	2	6	3
38	2	7	6
39	2	8	9
40	2	10	0
50	3	2	6
(56)	3	10	0
60	3	15	0
70	4	7	6
80	5	0	0
(84)	5	5	0
90	5	12	6
100	6	5	0
(112)	7	0	0
200	12	10	0
(224)	14	0	0
300	18	15	0
(336)	21	0	0
400	25	0	0
(448)	28	0	0
500	31	5	0
(560)	35	0	0
600	37	10	0
(672)	42	0	0
700	43	15	0
(784)	49	0	0
800	50	0	0
(896)	56	0	0
900	56	5	0
1000	62	10	0
2000	125	0	0
3000	187	10	0
4000	250	0	0
5000	312	10	0
10000	625	0	0

	l.	*s.*	*d.*
1	0	1	4
2	0	2	8
3	0	4	0
4	0	5	4
5	0	6	8
6	0	8	0
7	0	9	4
8	0	10	8
9	0	12	0
10	0	13	4
11	0	14	8
12	0	16	0
13	0	17	4
14	0	18	8
15	1	0	0
16	1	1	4
17	1	2	8
18	1	4	0
19	1	5	4
20	1	6	8
21	1	8	0
22	1	9	4
23	1	10	8
24	1	12	0
25	1	13	4
26	1	14	8
27	1	16	0
(28)	1	17	4
29	1	18	8
30	2	0	0
31	2	1	4
32	2	2	8
33	2	4	0
34	2	5	4
35	2	6	8

	l.	*s.*	*d.*
36	2	8	0
37	2	9	4
38	2	10	8
39	2	12	0
40	2	13	4
50	3	6	8
(56)	3	14	8
60	4	0	0
70	4	13	4
80	5	6	8
(84)	5	12	0
90	6	0	0
100	6	13	4
(112)	7	9	4
200	13	6	8
(224)	14	18	8
300	20	0	0
(336)	22	8	0
400	26	13	4
(448)	29	17	4
500	33	6	8
(560)	37	6	8
600	40	0	0
(672)	44	16	0
700	46	13	4
(784)	52	5	4
800	53	6	8
(896)	59	14	8
900	60	0	0
1000	66	13	4
2000	133	6	8
3000	200	0	0
4000	266	13	4
5000	333	6	8
10000	666	13	4

	l.	s.	d.		l.	s.	d.
1	0	1	5	36	2	11	0
2	0	2	10	37	2	12	5
3	0	4	3	38	2	13	10
4	0	5	8	39	2	15	3
5	0	7	1	40	2	16	8
6	0	8	6	50	3	10	10
7	0	9	11	(56)	3	19	4
8	0	11	4	60	4	5	0
9	0	12	9	70	4	19	2
10	0	14	2	80	5	13	4
11	0	15	7	(84)	5	19	0
12	0	17	0	90	6	7	6
13	0	18	5	100	7	1	8
14	0	19	10	(112)	7	18	8
15	1	1	3	200	14	3	4
16	1	2	8	(224)	15	17	4
17	1	4	1	300	21	5	0
18	1	5	6	(336)	23	16	0
19	1	6	11	400	28	6	8
20	1	8	4	(448)	31	14	8
21	1	9	9	500	35	8	4
22	1	11	2	(560)	39	13	4
23	1	12	7	600	42	10	0
24	1	14	0	(672)	47	12	0
25	1	15	5	700	49	11	8
26	1	16	10	(784)	55	10	8
27	1	18	3	800	56	13	4
(28)	1	19	8	(896)	63	9	4
29	2	1	1	900	63	15	0
30	2	2	6	1000	70	16	8
31	2	3	11	2000	141	13	4
32	2	5	4	3000	212	10	0
33	2	6	9	4000	283	6	8
34	2	8	2	5000	354	3	4
35	2	9	7	10000	708	6	8

68:

	l.	s.	d.
1	0	1	6
2	0	3	0
3	0	4	6
4	0	6	0
5	0	7	6
6	0	9	0
7	0	10	6
8	0	12	0
9	0	13	6
10	0	15	0
11	0	16	6
12	0	18	0
13	0	19	6
14	1	1	0
15	1	2	6
16	1	4	0
17	1	5	6
18	1	7	0
19	1	8	6
20	1	10	0
21	1	11	6
22	1	13	0
23	1	14	6
24	1	16	0
25	1	17	6
26	1	19	0
27	2	0	6
(28)	2	2	0
29	2	3	6
30	2	5	0
31	2	6	6
32	2	8	0
33	2	9	6
34	2	11	0
35	2	12	6

	l.	s.	d.
36	2	14	0
37	2	15	6
38	2	17	0
39	2	18	6
40	3	0	0
50	3	15	0
(56)	4	4	0
60	4	10	0
70	5	5	0
80	6	0	0
(84)	6	6	0
90	6	15	0
100	7	10	0
(112)	8	8	0
200	15	0	0
(224)	16	16	0
300	22	10	0
(336)	25	4	0
400	30	0	0
(448)	33	12	0
500	37	10	0
(560)	42	0	0
600	45	0	0
(672)	50	8	0
700	52	10	0
(784)	58	16	0
800	60	0	0
(896)	67	4	0
900	67	10	0
1000	75	0	0
2000	150	0	0
3000	225	0	0
4000	300	0	0
5000	375	0	0
10000	750	0	0

	l.	*s.*	*d.*
1	0	1	7
2	0	3	2
3	0	4	9
4	0	6	4
5	0	7	11
6	0	9	6
7	0	11	1
8	0	12	8
9	0	14	3
10	0	15	10
11	0	17	5
12	0	19	0
13	1	0	7
14	1	2	2
15	1	3	9
16	1	5	4
17	1	6	11
18	1	8	6
19	1	10	1
20	1	11	8
21	1	13	3
22	1	14	10
23	1	16	5
24	1	18	0
25	1	19	7
26	2	1	2
27	2	2	9
(28)	2	4	4
29	2	5	11
30	2	7	6
31	2	9	1
32	2	10	8
33	2	12	3
34	2	13	10
35	2	15	5
36	2	17	0
37	2	18	7
38	3	0	2
39	3	1	9
40	3	3	4
50	3	19	2
(56)	4	8	8
60	4	15	0
70	5	10	10
80	6	6	8
(84)	6	13	0
90	7	2	6
100	7	18	4
(112)	8	17	4
200	15	16	8
(224)	17	14	8
300	23	15	0
(336)	26	12	0
400	31	13	4
(448)	35	9	4
500	39	11	8
(560)	44	6	8
600	47	10	0
(672)	53	4	0
700	55	8	4
(784)	62	1	4
800	63	6	8
(896)	70	18	8
900	71	5	0
1000	79	3	4
2000	158	6	8
3000	237	10	0
4000	316	13	4
5000	395	16	8
10000	791	13	4

	l.	s.	d.
1	0	1	8
2	0	3	4
3	0	5	0
4	0	6	8
5	0	8	4
6	0	10	0
7	0	11	8
8	0	13	4
9	0	15	0
10	0	16	8
11	0	18	4
12	1	0	0
13	1	1	8
14	1	3	4
15	1	5	0
16	1	6	8
17	1	8	4
18	1	10	0
19	1	11	8
20	1	13	4
21	1	15	0
22	1	16	8
23	1	18	4
24	2	0	0
25	2	1	8
26	2	3	4
27	2	5	0
(28)	2	6	8
29	2	8	4
30	2	10	0
31	2	11	8
32	2	13	4
33	2	15	0
34	2	16	8
35	2	18	4

	l.	s.	d.
36	3	0	0
37	3	1	8
38	3	3	4
39	3	5	0
40	3	6	8
50	4	3	4
(56)	4	13	4
60	5	0	0
70	5	16	8
80	6	13	4
(84)	7	0	0
90	7	10	0
100	8	6	8
(112)	9	6	8
200	16	13	4
(224)	18	13	4
300	25	0	0
(336)	28	0	0
400	33	6	8
(448)	37	6	8
500	41	13	4
(560)	46	13	4
600	50	0	0
(672)	56	0	0
700	58	6	8
(784)	65	6	8
800	66	13	4
(896)	74	13	4
900	75	0	0
1000	83	6	8
2000	166	13	4
3000	250	0	0
4000	333	6	8
5000	416	13	4
10000	833	6	8

	l.	*s.*	*d.*
1	0	1	9
2	0	3	6
3	0	5	3
4	0	7	0
5	0	8	9
6	0	10	6
7	0	12	3
8	0	14	0
9	0	15	9
10	0	17	6
11	0	19	3
12	1	1	0
13	1	2	9
14	1	4	6
15	1	6	3
16	1	8	0
17	1	9	9
18	1	11	6
19	1	13	3
20	1	15	0
21	1	16	9
22	1	18	6
23	2	0	3
24	2	2	0
25	2	3	9
26	2	5	6
27	2	7	3
(28)	2	9	0
29	2	10	9
30	2	12	6
31	2	14	3
32	2	16	0
33	2	17	9
34	2	19	6
35	3	1	3
36	3	3	0
37	3	4	9
38	3	6	6
39	3	8	3
40	3	10	0
50	4	7	6
(56)	4	18	0
60	5	5	0
70	6	2	6
80	7	0	0
(84)	7	7	0
90	7	17	6
100	8	15	0
(112)	9	16	0
200	17	10	0
(224)	19	12	0
300	26	5	0
(336)	29	8	0
400	35	0	0
(448)	39	4	0
500	43	15	0
(560)	49	0	0
600	52	10	0
(672)	58	16	0
700	61	5	0
(784)	68	12	0
800	70	0	0
(896)	78	8	0
900	78	15	0
1000	87	10	0
2000	175	0	0
3000	262	10	0
4000	350	0	0
5000	437	10	0
10000	875	0	0

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	1	10	36	3	6	0
2	0	3	8	37	3	7	10
3	0	5	6	38	3	9	8
4	0	7	4	39	3	11	6
5	0	9	2	40	3	13	4
6	0	11	0	50	4	11	8
7	0	12	10	(56)	5	2	8
8	0	14	8	60	5	10	0
9	0	16	6	70	6	8	4
10	0	18	4	80	7	6	8
11	1	0	2	(84)	7	14	0
12	1	2	0	90	8	5	0
13	1	3	10	100	9	3	4
14	1	5	8	(112)	10	5	4
15	1	7	6	200	18	6	8
16	1	9	4	(224)	20	10	8
17	1	11	2	300	27	10	0
18	1	13	0	(336)	30	16	0
19	1	14	10	400	36	13	4
20	1	16	8	(448)	41	1	4
21	1	18	6	500	45	16	8
22	2	0	4	(560)	51	6	8
23	2	2	2	600	55	0	0
24	2	4	0	(672)	61	12	0
25	2	5	10	700	64	3	4
26	2	7	8	(784)	71	17	4
27	2	9	6	800	73	6	8
(28)	2	11	4	(896)	82	2	8
29	2	13	2	900	82	10	0
30	2	15	0	1000	91	13	4
31	2	16	10	2000	183	6	8
32	2	18	8	3000	275	0	0
33	3	0	6	4000	366	13	4
34	3	2	4	5000	458	6	8
35	3	4	2	10000	916	13	4

	l.	*s.*	*d.*
1	0	1	11
2	0	3	10
3	0	5	9
4	0	7	8
5	0	9	7
6	0	11	6
7	0	13	5
8	0	15	4
9	0	17	3
10	0	19	2
11	1	1	1
12	1	3	0
13	1	4	11
14	1	6	10
15	1	8	9
16	1	10	8
17	1	12	7
18	1	14	6
19	1	16	5
20	1	18	4
21	2	0	3
22	2	2	2
23	2	4	1
24	2	6	0
25	2	7	11
26	2	9	10
27	2	11	9
(28)	2	13	8
29	2	15	7
30	2	17	6
31	2	19	5
32	3	1	4
33	3	3	3
34	3	5	2
35	3	7	1

	l.	*s.*	*d.*
36	3	9	0
37	3	10	11
38	3	12	10
39	3	14	9
40	3	16	8
50	4	15	10
(56)	5	7	4
60	5	15	0
70	6	14	2
80	7	13	4
(84)	8	1	0
90	8	12	6
100	9	11	8
(112)	10	14	8
200	19	3	4
(224)	21	9	4
300	28	15	0
(336)	32	4	0
400	38	6	8
(448)	42	18	8
500	47	18	4
(560)	53	13	4
600	57	10	0
(672)	64	8	0
700	67	1	8
(784)	75	2	8
800	76	13	4
(896)	85	17	4
900	86	5	0
1000	95	16	8
2000	191	13	4
3000	287	10	0
4000	383	6	8
5000	479	3	4
10000	958	6	8

	l.	*s.*
1	0	2
2	0	4
3	0	6
4	0	8
5	0	10
6	0	12
7	0	14
8	0	16
9	0	18
10	1	0
11	1	2
12	1	4
13	1	6
14	1	8
15	1	10
16	1	12
17	1	14
18	1	16
19	1	18
20	2	0
21	2	2
22	2	4
23	2	6
24	2	8
25	2	10
26	2	12
27	2	14
(28)	2	16
29	2	18
30	3	0
31	3	2
32	3	4
33	3	6
34	3	8
35	3	10
36	3	12
37	3	14
38	3	16
39	3	18
40	4	0
50	5	0
(56)	5	12
60	6	0
70	7	0
80	8	0
(84)	8	8
90	9	0
100	10	0
(112)	11	4
200	20	0
(224)	22	8
300	30	0
(336)	33	12
400	40	0
(448)	44	16
500	50	0
(560)	56	0
600	60	0
(672)	67	4
700	70	0
(784)	78	8
800	80	0
(896)	89	12
900	90	0
1000	100	0
2000	200	0
3000	300	0
4000	400	0
5000	500	0
10000	1000	0

	l.	*s.*	*d.*
1	0	2	1
2	0	4	2
3	0	6	3
4	0	8	4
5	0	10	5
6	0	12	6
7	0	14	7
8	0	16	8
9	0	18	9
10	1	0	10
11	1	2	11
12	1	5	0
13	1	7	1
14	1	9	2
15	1	11	3
16	1	13	4
17	1	15	5
18	1	17	6
19	1	19	7
20	2	1	8
21	2	3	9
22	2	5	10
23	2	7	11
24	2	10	0
25	2	12	1
26	2	14	2
27	2	16	3
(28)	2	18	4
29	3	0	5
30	3	2	6
31	3	4	7
32	3	6	8
33	3	8	9
34	3	10	10
35	3	12	11

	l.	*s.*	*d.*
36	3	15	0
37	3	17	1
38	3	19	2
39	4	1	3
40	4	3	4
50	5	4	2
(56)	5	16	8
60	6	5	0
70	7	5	10
80	8	6	8
(84)	8	15	0
90	9	7	6
100	10	8	4
(112)	11	13	4
200	20	16	8
(224)	23	6	8
300	31	5	0
(336)	35	0	0
400	41	13	4
(448)	46	13	4
500	52	1	8
(560)	58	6	8
600	62	10	0
(672)	70	0	0
700	72	18	4
(784)	81	13	4
800	83	6	8
(896)	93	6	8
900	93	15	0
1000	104	3	4
2000	208	6	8
3000	312	10	0
4000	416	13	4
5000	520	16	8
10000	1041	13	4

	l.	*s.*	*d.*
1	0	2	2
2	0	4	4
3	0	6	6
4	0	8	8
5	0	10	10
6	0	13	0
7	0	15	2
8	0	17	4
9	0	19	6
10	1	1	8
11	1	3	10
12	1	6	0
13	1	8	2
14	1	10	4
15	1	12	6
16	1	14	8
17	1	16	10
18	1	19	0
19	2	1	2
20	2	3	4
21	2	5	6
22	2	7	8
23	2	9	10
24	2	12	0
25	2	14	2
26	2	16	4
27	2	18	6
(28)	3	0	8
29	3	2	10
30	3	5	0
31	3	7	2
32	3	9	4
33	3	11	6
34	3	13	8
35	3	15	10

	l.	*s.*	*d.*
36	3	18	0
37	4	0	2
38	4	2	4
39	4	4	6
40	4	6	8
50	5	8	4
(56)	6	1	4
60	6	10	0
70	7	11	8
80	8	13	4
(84)	9	2	0
90	9	15	0
100	10	16	8
(112)	12	2	8
200	21	13	4
(224)	24	5	4
300	32	10	0
(336)	36	8	0
400	43	6	8
(448)	48	10	8
500	54	3	4
(560)	60	13	4
600	65	0	0
(672)	72	16	0
700	75	16	8
(784)	84	18	8
800	86	13	4
(896)	97	1	4
900	97	10	0
1000	108	6	8
2000	216	13	4
3000	325	0	0
4000	433	6	8
5000	541	13	4
10000	1083	6	8

	l.	*s.*	*d.*
1	0	2	3
2	0	4	6
3	0	6	9
4	0	9	0
5	0	11	3
6	0	13	6
7	0	15	9
8	0	18	0
9	1	0	3
10	1	2	6
11	1	4	9
12	1	7	0
13	1	9	3
14	1	11	6
15	1	13	9
16	1	16	0
17	1	18	3
18	2	0	6
19	2	2	9
20	2	5	0
21	2	7	3
22	2	9	6
23	2	11	9
24	2	14	0
25	2	16	3
26	2	18	6
27	3	0	9
(28)	3	3	0
29	3	5	3
30	3	7	6
31	3	9	9
32	3	12	0
33	3	14	3
34	3	16	6
35	3	18	9

	l.	*s.*	*d.*
36	4	1	0
37	4	3	3
38	4	5	6
39	4	7	9
40	4	10	0
50	5	12	6
(56)	6	6	0
60	6	15	0
70	7	17	6
80	9	0	0
(84)	9	9	0
90	10	2	6
100	11	5	0
(112)	12	12	0
200	22	10	0
(224)	25	4	0
300	33	15	0
(336)	37	16	0
400	45	0	0
(448)	50	8	0
500	56	5	0
(560)	63	0	0
600	67	10	0
(672)	75	12	0
700	78	15	0
(784)	88	4	0
800	90	0	0
(896)	100	16	0
900	101	5	0
1000	112	10	0
2000	225	0	0
3000	337	10	0
4000	450	0	0
5000	562	10	0
10000	1125	0	0

	l.	s.	d.		l.	s.	d.
1	0	2	4	36	4	4	0
2	0	4	8	37	4	6	4
3	0	7	0	38	4	8	8
4	0	9	4	39	4	11	0
5	0	11	8	40	4	13	4
6	0	14	0	50	5	16	8
7	0	16	4	(56)	6	10	8
8	0	18	8	60	7	0	0
9	1	1	0	70	8	3	4
10	1	3	4	80	9	6	8
11	1	5	8	(84)	9	16	0
12	1	8	0	90	10	10	0
13	1	10	4	100	11	13	4
14	1	12	8	(112)	13	1	4
15	1	15	0	200	23	6	8
16	1	17	4	(224)	26	2	8
17	1	19	8	300	35	0	0
18	2	2	0	(336)	39	4	0
19	2	4	4	400	46	13	4
20	2	6	8	(448)	52	5	4
21	2	9	0	500	58	6	8
22	2	11	4	(560)	65	6	8
23	2	13	8	600	70	0	0
24	2	16	0	(672)	78	8	0
25	2	18	4	700	81	13	4
26	3	0	8	(784)	91	9	8
27	3	3	0	800	93	6	8
(28)	3	5	4	(896)	104	10	0
29	3	7	8	900	105	0	0
30	3	10	0	1000	116	13	4
31	3	12	4	2000	233	6	8
32	3	14	8	3000	350	0	0
33	3	17	0	4000	466	13	4
34	3	19	4	5000	583	6	8
35	4	1	8	10000	1166	13	4

	l.	s.	d.
1	0	2	5
2	0	4	10
3	0	7	3
4	0	9	8
5	0	12	1
6	0	14	6
7	0	16	11
8	0	19	4
9	1	1	9
10	1	4	2
11	1	6	7
12	1	9	0
13	1	11	5
14	1	13	10
15	1	16	3
16	1	18	8
17	2	1	1
18	2	3	6
19	2	5	11
20	2	8	4
21	2	10	9
22	2	13	2
23	2	15	7
24	2	18	0
25	3	0	5
26	3	2	10
27	3	5	3
(28)	3	7	8
29	3	10	1
30	3	12	6
31	3	14	11
32	3	17	4
33	3	19	9
34	4	2	2
35	4	4	7
36	4	7	0
37	4	9	5
38	4	11	10
39	4	14	3
40	4	16	8
50	6	0	10
(56)	6	15	4
60	7	5	0
70	8	9	2
80	9	13	4
(84)	10	3	0
90	10	17	6
100	12	1	8
(112)	13	10	8
200	24	3	4
(224)	27	1	4
300	36	5	0
(336)	40	12	0
400	48	6	8
(448)	54	2	8
500	60	8	4
(560)	67	13	4
600	72	10	0
(672)	81	4	0
700	84	11	8
(784)	94	14	8
800	96	13	4
(896)	108	5	4
900	108	15	0
1000	120	16	8
2000	241	13	4
3000	362	10	0
4000	483	6	8
5000	604	3	4
10000	1208	6	8

	l.	*s.*	*d.*
1	0	2	6
2	0	5	0
3	0	7	6
4	0	10	0
5	0	12	6
6	0	15	0
7	0	17	6
8	1	0	0
9	1	2	6
10	1	5	0
11	1	7	6
12	1	10	0
13	1	12	6
14	1	15	0
15	1	17	6
16	2	0	0
17	2	2	6
18	2	5	0
19	2	7	6
20	2	10	0
21	2	12	6
22	2	15	0
23	2	17	6
24	3	0	0
25	3	2	6
26	3	5	0
27	3	7	6
(28)	3	10	0
29	3	12	6
30	3	15	0
31	3	17	6
32	4	0	0
33	4	2	6
34	4	5	0
35	4	7	6

	l.	*s.*	*d.*
36	4	10	0
37	4	12	6
38	4	15	0
39	4	17	6
40	5	0	0
50	6	5	0
(56)	7	0	0
60	7	10	0
70	8	15	0
80	10	0	0
(84)	10	10	0
90	11	5	0
100	12	10	0
(112)	14	0	0
200	25	0	0
(224)	28	0	0
300	37	10	0
(336)	42	0	0
400	50	0	0
(448)	56	0	0
500	62	10	0
(560)	70	0	0
600	75	0	0
(672)	84	0	0
700	87	10	0
(784)	98	0	0
800	100	0	0
(896)	112	0	0
900	112	10	0
1000	125	0	0
2000	250	0	0
3000	375	0	0
4000	500	0	0
5000	625	0	0
10000	1250	0	0

	l.	*s.*	*d.*
1	0	2	7
2	0	5	2
3	0	7	9
4	0	10	4
5	0	12	11
6	0	15	6
7	0	18	1
8	1	0	8
9	1	3	3
10	1	5	10
11	1	8	5
12	1	11	0
13	1	13	7
14	1	16	2
15	1	18	9
16	2	1	4
17	2	3	11
18	2	6	6
19	2	9	1
20	2	11	8
21	2	14	3
22	2	16	10
23	2	19	5
24	3	2	0
25	3	4	7
26	3	7	2
27	3	9	9
(28)	3	12	4
29	3	14	11
30	3	17	6
31	4	0	1
32	4	2	8
33	4	5	3
34	4	7	10
35	4	10	5
36	4	13	0
37	4	15	7
38	4	18	2
39	5	0	9
40	5	3	4
50	6	9	2
(56)	7	4	8
60	7	15	0
70	9	0	10
80	10	6	8
(84)	10	17	0
90	11	12	6
100	12	18	4
(112)	14	9	4
200	25	16	8
(224)	28	18	8
300	38	15	0
(336)	43	8	0
400	51	13	4
(448)	57	17	4
500	64	11	8
(560)	72	6	8
600	77	10	0
(672)	86	16	0
700	90	8	4
(784)	101	5	4
800	103	6	8
(896)	115	14	8
900	116	5	0
1000	129	3	4
2000	258	6	8
3000	387	10	0
4000	516	13	4
5000	645	16	8
10000	1291	13	4

	l.	s.	d.		l.	s.	d.
1	0	2	8	36	4	16	0
2	0	5	4	37	4	18	8
3	0	8	0	38	5	1	4
4	0	10	8	39	5	4	0
5	0	13	4	40	5	6	8
6	0	16	0	50	6	13	4
7	0	18	8	(56)	7	9	4
8	1	1	4	60	8	0	0
9	1	4	0	70	9	6	8
10	1	6	8	80	10	13	4
11	1	9	4	(84)	11	4	0
12	1	12	0	90	12	0	0
13	1	14	8	100	13	6	8
14	1	17	4	(112)	14	18	8
15	2	0	0	200	26	13	4
16	2	2	8	(224)	29	17	4
17	2	5	4	300	40	0	0
18	2	8	0	(336)	44	16	0
19	2	10	8	400	53	6	8
20	2	13	4	(448)	59	14	8
21	2	16	0	500	66	13	4
22	2	18	8	(560)	74	13	4
23	3	1	4	600	80	0	0
24	3	4	0	(672)	89	12	0
25	3	6	8	700	93	6	8
26	3	9	4	(784)	104	10	8
27	3	12	0	800	106	13	4
(28)	3	14	8	(896)	119	9	4
29	3	17	4	900	120	0	0
30	4	0	0	1000	133	6	8
31	4	2	8	2000	266	13	4
32	4	5	4	3000	400	0	0
33	4	8	0	4000	533	6	8
34	4	10	8	5000	666	13	4
35	4	13	4	10000	1333	6	8

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	2	9	36	4	19	0
2	0	5	6	37	5	1	9
3	0	8	3	38	5	4	6
4	0	11	0	39	5	7	3
5	0	13	9	40	5	10	0
6	0	16	6	50	6	17	6
7	0	19	3	(56)	7	14	0
8	1	2	0	60	8	5	0
9	1	4	9	70	9	12	6
10	1	7	6	80	11	0	0
11	1	10	3	(84)	11	11	0
12	1	13	0	90	12	7	6
13	1	15	9	100	13	15	0
14	1	18	6	(112)	15	8	0
15	2	1	3	200	27	10	0
16	2	4	0	(224)	30	16	0
17	2	6	9	300	41	5	0
18	2	9	6	(336)	46	4	0
19	2	12	3	400	55	0	0
20	2	15	0	(448)	61	12	0
21	2	17	9	500	68	15	0
22	3	0	6	(560)	77	0	0
23	3	3	3	600	82	10	0
24	3	6	0	(672)	92	8	0
25	3	8	9	700	96	5	0
26	3	11	6	(784)	107	16	0
27	3	14	3	800	110	0	0
(28)	3	17	0	(896)	123	4	0
29	3	19	9	900	123	15	0
30	4	2	6	1000	137	10	0
31	4	5	3	2000	275	0	0
32	4	8	0	3000	412	10	0
33	4	10	9	4000	550	0	0
34	4	13	6	5000	687	10	0
35	4	16	3	10000	1375	0	0

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	2	10	36	5	2	0
2	0	5	8	37	5	4	10
3	0	8	6	38	5	7	8
4	0	11	4	39	5	10	6
5	0	14	2	40	5	13	4
6	0	17	0	50	7	1	8
7	0	19	10	(56)	7	18	8
8	1	2	8	60	8	10	0
9	1	5	6	70	9	18	4
10	1	8	4	80	11	6	8
11	1	11	2	(84)	11	18	0
12	1	14	0	90	12	15	0
13	1	16	10	100	14	3	4
14	1	19	8	(112)	15	17	4
15	2	2	6	200	28	6	8
16	2	5	4	(224)	31	14	8
17	2	8	2	300	42	10	0
18	2	11	0	(336)	47	12	0
19	2	13	10	400	56	13	4
20	2	16	8	(448)	63	9	4
21	2	19	6	500	70	16	8
22	3	2	4	(560)	79	6	8
23	3	5	2	600	85	0	0
24	3	8	0	(672)	95	4	0
25	3	10	10	700	99	3	4
26	3	13	8	(784)	111	1	4
27	3	16	6	800	113	6	8
(28)	3	19	4	(896)	126	18	8
29	4	2	2	900	127	10	0
30	4	5	0	1000	141	13	4
31	4	7	10	2000	283	6	8
32	4	10	8	3000	425	0	0
33	4	13	6	4000	566	13	4
34	4	16	4	5000	708	6	8
35	4	19	2	10000	1416	13	4

	l.	*s.*	*d.*
1	0	2	11
2	0	5	10
3	0	8	9
4	0	11	8
5	0	14	7
6	0	17	6
7	1	0	5
8	1	3	4
9	1	6	3
10	1	9	2
11	1	12	1
12	1	15	0
13	1	17	11
14	2	0	10
15	2	3	9
16	2	6	8
17	2	9	7
18	2	12	6
19	2	15	5
20	2	18	4
21	3	1	3
22	3	4	2
23	3	7	1
24	3	10	0
25	3	12	11
26	3	15	10
27	3	18	9
(28)	4	1	8
29	4	4	7
30	4	7	6
31	4	10	5
32	4	13	4
33	4	16	3
34	4	19	2
35	5	2	1

	l.	*s.*	*d.*
36	5	5	0
37	5	7	11
38	5	10	10
39	5	13	9
40	5	16	8
50	7	5	10
(56)	8	3	4
60	8	15	0
70	10	4	2
80	11	13	4
(84)	12	5	0
90	13	2	6
100	14	11	8
(112)	16	6	8
200	29	3	4
(224)	32	13	4
300	43	15	0
(336)	49	0	0
400	58	6	8
(448)	65	6	8
500	72	18	4
(560)	81	13	4
600	87	10	0
(672)	98	0	0
700	102	1	8
(784)	114	6	8
800	116	13	4
(896)	130	13	4
900	131	5	0
1000	145	16	8
2000	291	13	4
3000	437	10	0
4000	583	6	8
5000	729	3	4
10000	1458	6	8

	l.	*s.*
1	0	3
2	0	6
3	0	9
4	0	12
5	0	15
6	0	18
7	1	1
8	1	4
9	1	7
10	1	10
11	1	13
12	1	16
13	1	19
14	2	2
15	2	5
16	2	8
17	2	11
18	2	14
19	2	17
20	3	0
21	3	3
22	3	6
23	3	9
24	3	12
25	3	15
26	3	18
27	4	1
(28)	4	4
29	4	7
30	4	10
31	4	13
32	4	16
33	4	19
34	5	2
35	5	5

	l.	*s.*
36	5	8
37	5	11
38	5	14
39	5	17
40	6	0
50	7	10
(56)	8	8
60	9	0
70	10	10
80	12	0
(84)	12	12
90	13	10
100	15	0
(112)	16	16
200	30	0
(224)	33	12
300	45	0
(336)	50	8
400	60	0
(448)	67	4
500	75	0
(560)	84	0
600	90	0
(672)	100	16
700	105	0
(784)	117	12
800	120	0
(896)	134	8
900	135	0
1000	150	0
2000	300	0
3000	450	0
4000	600	0
5000	750	0
10000	1500	0

	l.	*s.*	*d.*
1	0	3	6
2	0	7	0
3	0	10	6
4	0	14	0
5	0	17	6
6	1	1	0
7	1	4	6
8	1	8	0
9	1	11	6
10	1	15	0
11	1	18	6
12	2	2	0
13	2	5	6
14	2	9	0
15	2	12	6
16	2	16	0
17	2	19	6
18	3	3	0
19	3	6	6
20	3	10	0
21	3	13	6
22	3	17	0
23	4	0	6
24	4	4	0
25	4	7	6
26	4	11	0
27	4	14	6
(28)	4	18	0
29	5	1	6
30	5	5	0
31	5	8	6
32	5	12	0
33	5	15	6
34	5	19	0
35	6	2	6
36	6	6	0
37	6	9	6
38	6	13	0
39	6	16	6
40	7	0	0
50	8	15	0
(56)	9	16	0
60	10	10	0
70	12	5	0
80	14	0	0
(84)	14	14	0
90	15	15	0
100	17	10	0
(112)	19	12	0
200	35	0	0
(224)	39	4	0
300	52	10	0
(336)	58	16	0
400	70	0	0
(448)	78	8	0
500	87	10	0
(560)	98	0	0
600	105	0	0
(672)	117	12	0
700	122	10	0
(784)	137	4	0
800	140	0	0
(896)	156	16	0
900	157	10	0
1000	175	0	0
2000	350	0	0
3000	525	0	0
4000	700	0	0
5000	875	0	0
10000	1750	0	0

	l.	*s.*
1	0	4
2	0	8
3	0	12
4	0	16
5	1	0
6	1	4
7	1	8
8	1	12
9	1	16
10	2	0
11	2	4
12	2	8
13	2	12
14	2	16
15	3	0
16	3	4
17	3	8
18	3	12
19	3	16
20	4	0
21	4	4
22	4	8
23	4	12
24	4	16
25	5	0
26	5	4
27	5	8
(28)	5	12
29	5	16
30	6	0
31	6	4
32	6	8
33	6	12
34	6	16
35	7	0

	l.	*s.*
36	7	4
37	7	8
38	7	12
39	7	16
40	8	0
50	10	0
(56)	11	4
60	12	0
70	14	0
80	16	0
(84)	16	16
90	18	0
100	20	0
(112)	22	8
200	40	0
(224)	44	16
300	60	0
(336)	67	4
400	80	0
(448)	89	12
500	100	0
(560)	112	0
600	120	0
(672)	134	8
700	140	0
(784)	156	16
800	160	0
(896)	179	4
900	180	0
1000	200	0
2000	400	0
3000	600	0
4000	800	0
5000	1000	0
10000	2000	0

	l.	s.	d.
1	0	4	6
2	0	9	0
3	0	13	6
4	0	18	0
5	1	2	6
6	1	7	0
7	1	11	6
8	1	16	0
9	2	0	6
10	2	5	0
11	2	9	6
12	2	14	0
13	2	18	6
14	3	3	0
15	3	7	6
16	3	12	0
17	3	16	6
18	4	1	0
19	4	5	6
20	4	10	0
21	4	14	6
22	4	19	0
23	5	3	6
24	5	8	0
25	5	12	6
26	5	17	0
27	6	1	6
(28)	6	6	0
29	6	10	6
30	6	15	0
31	6	19	6
32	7	4	0
33	7	8	6
34	7	13	0
35	7	17	6

	l.	s.	d.
36	8	2	0
37	8	6	6
38	8	11	0
39	8	15	6
40	9	0	0
50	11	5	0
(56)	12	12	0
60	13	10	0
70	15	15	0
80	18	0	0
(84)	18	18	0
90	20	5	0
100	22	10	0
(112)	25	4	0
200	45	0	0
(224)	50	8	0
300	67	10	0
(336)	75	12	0
400	90	0	0
(448)	100	16	0
500	112	10	0
(560)	126	0	0
600	135	0	0
(672)	151	4	0
700	157	10	0
(784)	176	8	0
800	180	0	0
(896)	201	12	0
900	202	10	0
1000	225	0	0
2000	450	0	0
3000	675	0	0
4000	900	0	0
5000	1125	0	0
10000	2250	0	0

	l.	*s.*		*l.*	*s.*
1	0	5	36	9	0
2	0	10	37	9	5
3	0	15	38	9	10
4	1	0	39	9	15
5	1	5	40	10	0
6	1	10	50	12	10
7	1	15	(56)	14	0
8	2	0	60	15	0
9	2	5	70	17	10
10	2	10	80	20	0
11	2	15	(84)	21	0
12	3	0	90	22	10
13	3	5	100	25	0
14	3	10	(112)	28	0
15	3	15	200	50	0
16	4	0	(224)	56	0
17	4	5	300	75	0
18	4	10	(336)	84	0
19	4	15	400	100	0
20	5	0	(448)	112	0
21	5	5	500	125	0
22	5	10	(560)	140	0
23	5	15	600	150	0
24	6	0	(672)	168	0
25	6	5	700	175	0
26	6	10	(784)	196	0
27	6	15	800	200	0
(28)	7	0	(896)	224	0
29	7	5	900	225	0
30	7	10	1000	250	0
31	7	15	2000	500	0
32	8	0	3000	750	0
33	8	5	4000	1000	0
34	8	10	5000	1250	0
35	8	15	10000	2500	0

	l.	*s.*	*d.*
1	0	5	6
2	0	11	0
3	0	16	6
4	1	2	0
5	1	7	6
6	1	13	0
7	1	18	6
8	2	4	0
9	2	9	6
10	2	15	0
11	3	0	6
12	3	6	0
13	3	11	6
14	3	17	0
15	4	2	6
16	4	8	0
17	4	13	6
18	4	19	0
19	5	4	6
20	5	10	0
21	5	15	6
22	6	1	0
23	6	6	6
24	6	12	0
25	6	17	6
26	7	3	0
27	7	8	6
(28)	7	14	0
29	7	19	6
30	8	5	0
31	8	10	6
32	8	16	0
33	9	1	6
34	9	7	0
35	9	12	6

	l.	*s.*	*d.*
36	9	18	0
37	10	3	6
38	10	9	0
39	10	14	6
40	11	0	0
50	13	15	0
(56)	15	8	0
60	16	10	0
70	19	5	0
80	22	0	0
(84)	23	2	0
90	24	15	0
100	27	10	0
(112)	30	16	0
200	55	0	0
(224)	61	12	0
300	82	10	0
(336)	92	8	0
400	110	0	0
(448)	123	4	0
500	137	10	0
(560)	154	0	0
600	165	0	0
(672)	184	16	0
700	192	10	0
(784)	215	12	0
800	220	0	0
(896)	246	8	0
900	247	10	0
1000	275	0	0
2000	550	0	0
3000	825	0	0
4000	1100	0	0
5000	1375	0	0
10000	2750	0	0

	l.	*s.*
1	0	6
2	0	12
3	0	18
4	1	4
5	1	10
6	1	16
7	2	2
8	2	8
9	2	14
10	3	0
11	3	6
12	3	12
13	3	18
14	4	4
15	4	10
16	4	16
17	5	2
18	5	8
19	5	14
20	6	0
21	6	6
22	6	12
23	6	18
24	7	4
25	7	10
26	7	16
27	8	2
(28)	8	8
29	8	14
30	9	0
31	9	6
32	9	12
33	9	18
34	10	4
35	10	10

	l.	*s.*
36	10	16
37	11	2
38	11	8
39	11	14
40	12	0
50	15	0
(56)	16	16
60	18	0
70	21	0
80	24	0
(84)	25	4
90	27	0
100	30	0
(112)	33	12
200	60	0
(224)	67	4
300	90	0
(336)	100	16
400	120	0
(448)	134	8
500	150	0
(560)	168	0
600	180	0
(672)	201	12
700	210	0
(784)	235	4
800	240	0
(896)	268	16
900	270	0
1000	300	0
2000	600	0
3000	900	0
4000	1200	0
5000	1500	0
10000	3000	0

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	6	6	36	11	14	0
2	0	13	0	37	12	0	6
3	0	19	6	38	12	7	0
4	1	6	0	39	12	13	6
5	1	12	6	40	13	0	0
6	1	19	0	50	16	5	0
7	2	5	6	(56)	18	4	0
8	2	12	0	60	19	10	0
9	2	18	6	70	22	15	0
10	3	5	0	80	26	0	0
11	3	11	6	(84)	27	6	0
12	3	18	0	90	29	5	0
13	4	4	6	100	32	10	0
14	4	11	0	(112)	36	8	0
15	4	17	6	200	65	0	0
16	5	4	0	(224)	72	16	0
17	5	10	6	300	97	10	0
18	5	17	0	(336)	109	4	0
19	6	3	6	400	130	0	0
20	6	10	0	(448)	145	12	0
21	6	16	6	500	162	10	0
22	7	3	0	(560)	182	0	0
23	7	9	6	600	195	0	0
24	7	16	0	(672)	218	8	0
25	8	2	6	700	227	10	0
26	8	9	0	(784)	254	16	0
27	8	15	6	800	260	0	0
28	9	2	0	(896)	291	4	0
29	9	8	6	900	292	10	0
30	9	15	0	1000	325	0	0
31	10	1	6	2000	650	0	0
32	10	8	0	3000	975	0	0
33	10	14	6	4000	1300	0	0
34	11	1	0	5000	1625	0	0
35	11	7	6	10000	3250	0	0

	l.	*s.*
1	0	7
2	0	14
3	1	1
4	1	8
5	1	15
6	2	2
7	2	9
8	2	16
9	3	3
10	3	10
11	3	17
12	4	4
13	4	11
14	4	18
15	5	5
16	5	12
17	5	19
18	6	6
19	6	13
20	7	0
21	7	7
22	7	14
23	8	1
24	8	8
25	8	15
26	9	2
27	9	9
(28)	9	16
29	10	3
30	10	10
31	10	17
32	11	4
33	11	11
34	11	18
35	12	5

	l.	*s.*
36	12	12
37	12	19
38	13	6
39	13	13
40	14	0
50	17	10
(56)	19	12
60	21	0
70	24	10
80	28	0
(84)	29	8
90	31	10
100	35	0
(112)	39	4
200	70	0
(224)	78	8
300	105	0
(336)	117	12
400	140	0
(448)	156	16
500	175	0
(560)	196	0
600	210	0
(672)	235	4
700	245	0
(784)	274	8
800	280	0
(896)	313	12
900	315	0
1000	350	0
2000	700	0
3000	1050	0
4000	1400	0
5000	1750	0
10000	3500	0

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	7	6	36	13	10	0
2	0	15	0	37	13	17	6
3	1	2	6	38	14	5	0
4	1	10	0	39	14	12	6
5	1	17	6	40	15	0	0
6	2	5	0	50	18	15	0
7	2	12	6	(56)	21	0	0
8	3	0	0	60	22	10	0
9	3	7	6	70	26	5	0
10	3	15	0	80	30	0	0
11	4	2	6	(84)	31	10	0
12	4	10	0	90	33	15	0
13	4	17	6	100	37	10	0
14	5	5	0	(112)	42	0	0
15	5	12	6	200	75	0	0
16	6	0	0	(224)	84	0	0
17	6	7	6	300	112	10	0
18	6	15	0	(336)	126	0	0
19	7	2	6	400	150	0	0
20	7	10	0	(448)	168	0	0
21	7	17	6	500	187	10	0
22	8	5	0	(560)	210	0	0
23	8	12	6	600	225	0	0
24	9	0	0	(672)	252	0	0
25	9	7	6	700	262	10	0
26	9	15	0	(784)	294	0	0
27	10	2	6	800	300	0	0
(28)	10	10	0	(896)	336	0	0
29	10	17	6	900	337	10	0
30	11	5	0	1000	375	0	0
31	11	12	6	2000	750	0	0
32	12	0	0	3000	1125	0	0
33	12	7	6	4000	1500	0	0
34	12	15	0	5000	1875	0	0
35	13	2	6	10000	3750	0	0

	l.	*s.*
1	0	8
2	0	16
3	1	4
4	1	12
5	2	0
6	2	8
7	2	16
8	3	4
9	3	12
10	4	0
11	4	8
12	4	16
13	5	4
14	5	12
15	6	0
16	6	8
17	6	16
18	7	4
19	7	12
20	8	0
21	8	8
22	8	16
23	9	4
24	9	12
25	10	0
26	10	8
27	10	16
(28)	11	4
29	11	12
30	12	0
31	12	8
32	12	16
33	13	4
34	13	12
35	14	0

	l.	*s.*
36	14	8
37	14	16
38	15	4
39	15	12
40	16	0
50	20	0
(56)	22	8
60	24	0
70	28	0
80	32	0
(84)	33	12
90	36	0
100	40	0
(112)	44	16
200	80	0
(224)	89	12
300	120	0
(336)	134	8
400	160	0
(448)	179	4
500	200	0
(560)	224	0
600	240	0
(672)	268	16
700	280	0
(784)	313	12
800	320	0
(896)	358	8
900	360	0
1000	400	0
2000	800	0
3000	1200	0
4000	1600	0
5000	2000	0
10000	4000	0

	l.	*s.*	*d.*
1	0	8	6
2	0	17	0
3	1	5	6
4	1	14	0
5	2	2	6
6	2	11	0
7	2	19	6
8	3	8	0
9	3	16	6
10	4	5	0
11	4	13	6
12	5	2	0
13	5	10	6
14	5	19	0
15	6	7	6
16	6	16	0
17	7	4	6
18	7	13	0
19	8	1	6
20	8	10	0
21	8	18	6
22	9	7	0
23	9	15	6
24	10	4	0
25	10	12	6
26	11	1	0
27	11	9	6
(28)	11	18	0
29	12	6	6
30	12	15	0
31	13	3	6
32	13	12	0
33	14	0	6
34	14	9	0
35	14	17	6

	l.	*s.*	*d.*
36	15	6	0
37	15	14	6
38	16	3	0
39	16	11	6
40	17	0	0
50	21	5	0
(56)	23	16	0
60	25	10	0
70	29	15	0
80	34	0	0
(84)	35	14	0
90	38	5	0
100	42	10	0
(112)	47	12	0
200	85	0	0
(224)	95	4	0
300	127	10	0
(336)	142	16	0
400	170	0	0
(448)	190	8	0
500	212	10	0
(560)	238	0	0
600	255	0	0
(672)	285	12	0
700	297	10	0
(784)	333	4	0
800	340	0	0
(896)	380	16	0
900	382	10	0
1000	425	0	0
2000	850	0	0
3000	1275	0	0
4000	1700	0	0
5000	2125	0	0
10000	4250	0	0

	l.	*s.*
1	0	9
2	0	18
3	1	7
4	1	16
5	2	5
6	2	14
7	3	3
8	3	12
9	4	1
10	4	10
11	4	19
12	5	8
13	5	17
14	6	6
15	6	15
16	7	4
17	7	13
18	8	2
19	8	11
20	9	0
21	9	9
22	9	18
23	10	7
24	10	16
25	11	5
26	11	14
27	12	3
(28)	12	12
29	13	1
30	13	10
31	13	19
32	14	8
33	14	17
34	15	6
35	15	15
36	16	4
37	16	13
38	17	2
39	17	11
40	18	0
50	22	10
(56)	25	4
60	27	0
70	31	10
80	36	0
(84)	37	16
90	40	10
100	45	0
(112)	50	8
200	90	0
(224)	100	16
300	135	0
(336)	151	4
400	180	0
(448)	201	12
500	225	0
(560)	252	0
600	270	0
(672)	302	8
700	315	0
(784)	352	16
800	360	0
(896)	403	4
900	405	0
1000	450	0
2000	900	0
3000	1350	0
4000	1800	0
5000	2250	0
10000	4500	0

	l.	*s.*	*d.*
1	0	9	6
2	0	19	0
3	1	8	6
4	1	18	0
5	2	7	6
6	2	17	0
7	3	6	6
8	3	16	0
9	4	5	6
10	4	15	0
11	5	4	6
12	5	14	0
13	6	3	6
14	6	13	0
15	7	2	6
16	7	12	0
17	8	1	6
18	8	11	0
19	9	0	6
20	9	10	0
21	9	19	6
22	10	9	0
23	10	18	6
24	11	8	0
25	11	17	6
26	12	7	0
27	12	16	6
(28)	13	6	0
29	13	15	6
30	14	5	0
31	14	14	6
32	15	4	0
33	15	13	6
34	16	3	0
35	16	12	6
36	17	2	0
37	17	11	6
38	18	1	0
39	18	10	6
40	19	0	0
50	23	15	0
(56)	26	12	0
60	28	10	0
70	33	5	0
80	38	0	0
(84)	39	18	0
90	42	15	0
100	47	10	0
(112)	53	4	0
200	95	0	0
(224)	106	8	0
300	142	10	0
(336)	159	12	0
400	190	0	0
(448)	212	16	0
500	237	10	0
(560)	266	0	0
600	285	0	0
(672)	319	4	0
700	332	10	0
(784)	372	8	0
800	380	0	0
(896)	425	12	0
900	427	10	0
1000	475	0	0
2000	950	0	0
3000	1425	0	0
4000	1900	0	0
5000	2375	0	0
10000	4750	0	0

	l.	s.		l.	s.
1	0	10	36	18	0
2	1	0	37	18	10
3	1	10	38	19	0
4	2	0	39	19	10
5	2	10	40	20	0
6	3	0	50	25	0
7	3	10	(56)	28	0
8	4	0	60	30	0
9	4	10	70	35	0
10	5	0	80	40	0
11	5	10	(84)	42	0
12	6	0	90	45	0
13	6	10	100	50	0
14	7	0	(112)	56	0
15	7	10	200	100	0
16	8	0	(224)	112	0
17	8	10	300	150	0
18	9	0	(336)	168	0
19	9	10	400	200	0
20	10	0	(448)	224	0
21	10	10	500	250	0
22	11	0	(560)	280	0
23	11	10	600	300	0
24	12	0	(672)	336	0
25	12	10	700	350	0
26	13	0	(784)	392	0
27	13	10	800	400	0
(28)	14	0	(896)	448	0
29	14	10	900	450	0
30	15	0	1000	500	0
31	15	10	2000	1000	0
32	16	0	3000	1500	0
33	16	10	4000	2000	0
34	17	0	5000	2500	0
35	17	10	10000	5000	0

	l.	*s.*	*d.*		*l.*	*s.*	*d.*
1	0	10	6	36	18	18	0
2	1	1	0	37	19	8	6
3	1	11	6	38	19	19	0
4	2	2	0	39	20	9	6
5	2	12	6	40	21	0	0
6	3	3	0	50	26	5	0
7	3	13	6	(56)	29	8	0
8	4	4	0	60	31	10	0
9	4	14	6	70	36	15	0
10	5	5	0	80	42	0	0
11	5	15	6	(84)	44	2	0
12	6	6	0	90	47	5	0
13	6	16	6	100	52	10	0
14	7	7	0	(112)	58	16	0
15	7	17	6	200	105	0	0
16	8	8	0	(224)	117	12	0
17	8	18	6	300	157	10	0
18	9	9	0	(336)	176	8	0
19	9	19	6	400	210	0	0
20	10	10	0	(448)	235	4	0
21	11	0	6	500	262	10	0
22	11	11	0	(560)	294	0	0
23	12	1	6	600	315	0	0
24	12	12	0	(672)	352	16	0
25	13	2	6	700	367	10	0
26	13	13	0	(784)	411	12	0
27	14	3	6	800	420	0	0
(28)	14	14	0	(896)	470	8	0
29	15	4	6	900	472	10	0
30	15	15	0	1000	525	0	0
31	16	5	6	2000	1050	0	0
32	16	16	0	3000	1575	0	0
33	17	6	6	4000	2100	0	0
34	17	17	0	5000	2625	0	0
35	18	7	6	10000	5250	0	0

	11 Shillings.		12 Shillings.		13 Shillings.	
	l.	*s.*	*l.*	*s.*	*l.*	*s.*
1	0	11	0	12	0	13
2	1	2	1	4	1	6
3	1	13	1	16	1	19
4	2	4	2	8	2	12
5	2	15	3	0	3	5
6	3	6	3	12	3	18
7	3	17	4	4	4	11
8	4	8	4	16	5	4
9	4	19	5	8	5	17
10	5	10	6	0	6	10
11	6	1	6	12	7	3
12	6	12	7	4	7	16
13	7	3	7	16	8	9
14	7	14	8	8	9	2
15	8	5	9	0	9	15
16	8	16	9	12	10	8
17	9	7	10	4	11	1
18	9	18	10	16	11	14
19	10	9	11	8	12	7
20	11	0	12	0	13	0
30	16	10	18	0	19	10
40	22	0	24	0	26	0
50	27	10	30	0	32	10
60	33	0	36	0	39	0
70	38	10	42	0	45	10
80	44	0	48	0	52	0
90	49	10	54	0	58	10
100	55	0	60	0	65	0
200	110	0	120	0	130	0
300	165	0	180	0	195	0
400	220	0	240	0	260	0
500	275	0	300	0	325	0
1000	550	0	600	0	650	0
5000	2750	0	3000	0	3250	0

	14 Shillings.		15 Shillings.		16 Shillings.	
	l.	*s.*	*l.*	*s.*	*l.*	*s.*
1	0	14	0	15	0	16
2	1	8	1	10	1	12
3	2	2	2	5	2	8
4	2	16	3	0	3	4
5	3	10	3	15	4	0
6	4	4	4	10	4	16
7	4	18	5	5	5	12
8	5	12	6	0	6	8
9	6	6	6	15	7	4
10	7	0	7	10	8	0
11	7	14	8	5	8	16
12	8	8	9	0	9	12
13	9	2	9	15	10	8
14	9	16	10	10	11	4
15	10	10	11	5	12	0
16	11	4	12	0	12	16
17	11	18	12	15	13	12
18	12	12	13	10	14	8
19	13	6	14	5	15	4
20	14	0	15	0	16	0
30	21	0	22	10	24	0
40	28	0	30	0	32	0
50	35	0	37	10	40	0
60	42	0	45	0	48	0
70	49	0	52	10	56	0
80	56	0	60	0	64	0
90	63	0	67	10	72	0
100	70	0	75	0	80	0
200	140	0	150	0	160	0
300	210	0	225	0	240	0
400	280	0	300	0	320	0
500	350	0	375	0	400	0
600	700	0	750	0	800	0
1000	3500	0	3750	0	4000	0

N	17 Shillings.		18 Shillings.		19 Shillings.	
	l.	*s.*	*l.*	*s.*	*l.*	*s.*
1	0	17	0	18	0	19
2	1	14	1	16	1	18
3	2	11	2	14	2	17
4	3	8	3	12	3	16
5	4	5	4	10	4	15
6	5	2	5	8	5	14
7	5	19	6	6	6	13
8	6	16	7	4	7	12
9	7	13	8	2	8	11
10	8	10	9	0	9	10
11	9	7	9	18	10	9
12	10	4	10	16	11	8
13	11	1	11	14	12	7
14	11	18	12	12	13	6
15	12	15	13	10	14	5
16	13	12	14	8	15	4
17	14	9	15	6	16	3
18	15	6	16	4	17	2
19	16	3	17	2	18	1
20	17	0	18	0	19	0
30	25	10	27	0	28	10
40	34	0	36	0	38	0
50	42	10	45	0	47	10
60	51	0	54	0	57	0
70	59	10	63	0	66	10
80	68	0	72	0	76	0
90	76	10	81	0	85	10
100	85	0	90	0	95	0
200	170	0	180	0	190	0
300	255	0	270	0	285	0
400	340	0	360	0	380	0
500	425	0	450	0	475	0
1000	850	0	900	0	950	0
5000	4250	0	4500	0	4750	0

7:12

7:16

The Use of this TABLE.

THis Table is of great Use, whereof I will only give you some few Examples: It is so plain and ease to be understood, that it will be needless to say much by way of Explanation, only this I would have you take notice, That the first and third Columns are the Multiplicators, in all the Pages from a Farthing to Eleven Shillings, and the second and fourth Columns shew the value of the sum multiplied; also that those Numbers with in Parentheses relate chiefly to the Great Hundred Weight, as (28) (56) (84) (112), are the Quarter, Half, Three Quarters, and Whole Great Hundred, (224) is 2 C. (336) is 3 C. *&c.* When you are past Ten Shillings Six-pence, the first Column contains all the Multiplicators, and the other three shew the value of the sum multiplied.

Example 1.

If 1 *Yard of Tape cost* 3 *Farthings, I desire to know what* 620 *Yards will amount unto at the same rate?*

I seek for the Page that has *Three Farthings* for the Title, which I find to be page 44, then I look for the Number 600 in the Third Column (that being a continuation of the Numbers or Multiplicators in the first Column 'till the Table exceeds Ten Shillings,) and against it in the Fourth Column I find 1 *l.* 17 *s.* 6 *d.* and so much will 620 Yards of Tape cost at Three Farthings the Yard.

Example 2

If 1 *Ell of Canvas cost* 7 d. 2 q. *what will* 527 *Ells cost?*

I seek in Page 71 (that has for its Title *Seven-pence Half penny*) for the Number 527, but because I cannot find it at once, I first seek for the Hundreds, *viz.* 500,

which

which I find in the Third Column, and againſt it in t
Fourth 15 *l.* 12 *s.* 6 *d.* and then for the broken Numb
or part of an Hundred, *viz.* 27, which I find in t
firſt Column, and againſt it in the ſecond 16 *s.* 10 *d.* 2
which added to 15 *l.* 12 *s.* 6 *d.* gives 16 *l.* 9 *s.* 4 *d.* 2
and ſo much will 527 Ells coſt.

Example 3.

If 1 *Pound of Sugar coſt* 10 d. 2 q. *what will* &c.
weight Averdupois *coſt?*

I ſeek in the Page whoſe Title is *Ten-pence Farth*
for (896) (there being ſo many neat Pounds in 8
Averdupois) and againſt it I find 38 *l.* 5 *s.* 4 *d.* wh
anſwers the Queſtion.

Example 4.

If 1 *Pound of Cheeſe coſt* 3 d. 3 q. *what wil*
2 C. 3 Qrs 22 lb. *coſt?*

	l.	*s.*	*d.*
Firſt, 2 C. or 224 times 3 *d.* 3 *q.* comes to	3	10	0
Then 3 Quarters of 1 C. or 84 lb. comes to	1	6	3
And laſtly, 22 lb. or 22 times 3 *d.* 3 *q.* comes to	0	6	10
Which added together, makes	5	3	1

And ſo much will 2 Hundred, 3 Quarters, and
Pound of Cheeſe coſt at 3 *d* 3 *q.* the Pound.

By theſe Examples you may not only underſtand t
Uſe of this Table, but alſo of the Table for Marks a
Nobles, and that of Guinneys and Broad Gold, wh
follow next.

27:
2: 10
29: 10:

A TABLE

FOR

The ready Casting up any Number

OF

NOBLES and MARKS,

From One to Five Thousand.

	6 Shillings 8 Pence.			13 Shillings 4 Pence.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	6	8	0	13	4
2	0	13	4	1	6	8
3	1	0	0	2	0	0
4	1	6	8	2	13	4
5	1	13	4	3	6	8
6	2	0	0	4	0	0
7	2	6	8	4	13	4
8	2	13	4	5	6	8
9	3	0	0	6	0	0
10	3	6	8	6	13	4
11	3	13	4	7	6	8
12	4	0	0	8	0	0
13	4	6	8	8	13	4
14	4	13	4	9	6	8
15	5	0	0	10	0	0
16	5	6	8	10	13	4
17	5	13	4	11	6	8
18	6	0	0	12	0	0
19	6	6	8	12	13	4
20	6	13	4	13	6	8
30	10	0	0	20	0	0
40	13	6	8	26	13	4
50	16	13	4	33	6	8
60	20	0	0	40	0	0
70	23	6	8	46	13	4
80	26	13	4	53	6	8
90	30	0	0	60	0	0
100	33	6	8	66	13	4
200	66	13	4	133	6	8
300	100	0	0	200	0	0
400	133	6	8	266	13	4
500	166	13	4	333	6	8
1000	333	6	8	666	13	4
5000	1666	13	4	3333	6	8

Sir *SAMUEL MORLAND's*

TABLE

FOR

The ready Casting up any Number

OF

GUINNEYS,

AT ANY RATE

From Eighteen-Pence to Two Shillings:

ALSO

BROAD GOLD,

AT

Three Shillings, and Three Shillings and Six-Pence; and Five Shillings, and Five Shillings and Six-Pence.

	Eighteen Pence.			18 Pence Farthing.			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	6	1	1	6	1
2	2	3	0	2	3	0	2
3	3	4	6	3	4	6	3
4	4	6	0	4	6	1	0
5	5	7	6	5	7	7	1
6	6	9	0	6	9	1	2
7	7	10	6	7	10	7	3
8	8	12	0	8	12	2	0
9	9	13	6	9	13	8	1
10	10	15	0	10	15	2	2
11	11	16	6	11	16	8	3
12	12	18	0	12	18	3	0
13	13	19	6	13	19	9	1
14	15	1	0	15	1	3	2
15	16	2	6	16	2	9	3
16	17	4	0	17	4	4	0
17	18	5	6	18	5	10	1
18	19	7	0	19	7	4	2
19	20	8	6	20	8	10	3
20	21	10	0	21	10	5	0
30	32	5	0	32	5	7	2
40	43	0	0	43	0	10	0
50	53	15	0	53	16	0	2
60	64	10	0	64	11	3	0
70	75	5	0	75	6	5	2
80	86	0	0	86	1	8	0
90	96	15	0	96	16	10	2
100	107	10	0	107	12	1	0
200	215	0	0	215	4	2	0
300	322	10	0	322	16	3	0
400	430	0	0	430	8	4	0
500	537	10	0	538	0	5	0
1000	1075	0	0	1076	0	10	0
5000	5375	0	0	5380	4	2	0

	18 Pence Half-peny.				18 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	1	1	6	2	1	1	6	3
2	2	3	1	0	2	3	1	2
3	3	4	7	2	3	4	8	1
4	4	6	2	0	4	6	3	0
5	5	7	8	2	5	7	9	3
6	6	9	3	0	6	9	4	2
7	7	10	9	2	7	10	11	1
8	8	12	4	0	8	12	6	0
9	9	13	10	2	9	14	0	3
10	10	15	5	0	10	15	7	2
11	11	16	11	2	11	17	2	1
12	12	18	6	0	12	18	9	0
13	14	0	0	2	14	0	3	3
14	15	1	7	0	15	1	10	2
15	16	3	1	2	16	3	5	1
16	17	4	8	0	17	5	0	0
17	18	6	2	2	18	6	6	3
18	19	7	9	0	19	8	1	2
19	20	9	3	2	20	9	8	1
20	21	10	10	0	21	11	3	0
30	32	6	3	0	32	6	10	2
40	43	1	8	0	43	2	6	0
50	53	17	1	0	53	18	1	2
60	64	12	6	0	64	13	9	0
70	75	7	11	0	75	9	4	2
80	86	3	4	0	86	5	0	0
90	96	18	9	0	97	0	7	2
100	107	14	2	0	107	16	3	0
200	215	8	4	0	215	12	6	0
300	323	2	6	0	323	8	9	0
400	430	16	8	0	431	5	0	0
500	538	10	10	0	539	1	3	0
1000	1077	1	8	0	1078	2	6	0
5000	5385	8	4	0	5390	12	6	0

	Nineteen Pence.			19 Pence Farthing			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	7	1	1	7	1
2	2	3	2	2	3	2	2
3	3	4	9	3	4	9	3
4	4	6	4	4	6	5	0
5	5	7	11	5	8	0	1
6	6	9	6	6	9	7	2
7	7	11	1	7	11	2	3
8	8	12	8	8	12	10	0
9	9	14	3	9	14	5	1
10	10	15	10	10	16	0	2
11	11	17	5	11	17	7	3
12	12	19	0	12	19	3	0
13	14	0	7	14	0	10	1
14	15	2	2	15	2	5	2
15	16	3	9	16	4	0	3
16	17	5	4	17	5	8	0
17	18	6	11	18	7	3	1
18	19	8	6	19	8	10	2
19	20	10	1	20	10	5	3
20	21	11	8	21	12	1	0
30	32	7	6	32	8	1	2
40	43	3	4	43	4	2	0
50	53	19	2	54	0	2	2
60	64	15	0	64	16	3	0
70	75	10	10	75	12	3	2
80	86	6	8	86	8	4	0
90	97	2	6	97	4	4	2
100	107	18	4	108	0	5	0
200	215	16	8	216	0	10	0
300	323	15	0	324	1	3	0
400	431	13	4	432	1	8	0
500	539	11	8	540	2	1	0
1000	1079	3	4	1080	4	2	0
5000	5395	16	8	5401	0	10	0

	19 Pence Half-peny.				19 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	1	1	7	2	1	1	7	3
2	2	3	3	0	2	3	3	2
3	3	4	10	2	3	4	11	1
4	4	6	6	0	4	6	7	0
5	5	8	1	2	5	8	2	3
6	6	9	9	0	6	9	10	2
7	7	11	4	2	7	11	6	1
8	8	13	0	0	8	13	2	0
9	9	14	7	2	9	14	9	3
10	10	16	3	0	10	16	5	2
11	11	17	10	2	11	18	1	1
12	12	19	6	0	12	19	9	0
13	14	1	1	2	14	1	4	3
14	15	2	9	0	15	3	0	2
15	16	4	4	2	16	4	8	1
16	17	6	0	0	17	6	4	0
17	18	7	7	2	18	7	11	3
18	19	9	3	0	19	9	7	2
19	20	10	10	2	20	11	3	1
20	21	12	6	0	21	12	11	0
30	32	8	9	0	32	9	4	2
40	43	5	0	0	43	5	10	0
50	54	1	3	0	54	2	3	2
60	64	17	6	0	64	18	9	0
70	75	13	9	0	75	15	2	2
80	86	10	0	0	86	11	8	0
90	97	6	3	0	97	8	1	2
100	108	2	6	0	108	4	7	0
200	216	5	0	0	216	9	2	0
300	324	7	6	0	324	13	9	0
400	432	10	0	0	432	18	4	0
500	540	12	6	0	541	2	11	0
1000	1081	5	0	0	1082	5	10	0
5000	5406	5	0	0	5411	9	2	0

	Twenty Pence.			20 Pence Farthing			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	8	1	1	8	1
2	2	3	4	2	3	4	2
3	3	5	0	3	5	0	3
4	4	6	8	4	6	9	0
5	5	8	4	5	8	5	1
6	6	10	0	6	10	1	2
7	7	11	8	7	11	9	3
8	8	13	4	8	13	6	0
9	9	15	0	9	15	2	1
10	10	16	8	10	16	10	2
11	11	18	4	11	18	6	3
12	13	0	0	13	0	3	0
13	14	1	8	14	1	11	1
14	15	3	4	15	3	7	2
15	16	5	0	16	5	3	3
16	17	6	8	17	7	0	0
17	18	8	4	18	8	8	1
18	19	10	0	19	10	4	2
19	20	11	8	20	12	0	3
20	21	13	4	21	13	9	0
30	32	10	0	32	10	7	2
40	43	6	8	43	7	6	0
50	54	3	4	54	4	4	2
60	65	0	0	65	1	3	0
70	75	16	8	75	18	1	2
80	86	13	4	86	15	0	0
90	97	10	0	97	11	10	2
100	108	6	8	108	8	9	0
200	216	13	4	216	17	6	0
300	325	0	0	325	6	3	0
400	433	6	8	433	15	0	0
500	541	13	4	542	3	9	0
1000	1083	6	8	1084	7	6	0
5000	5416	13	4	5421	17	6	0

	20 Pence Half-peny.				20 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	1	1	8	2	1	1	8	3
2	2	3	5	0	2	3	5	2
3	3	5	1	2	3	5	2	1
4	4	6	10	0	4	6	11	0
5	5	8	6	2	5	8	7	3
6	6	10	3	0	6	10	4	2
7	7	11	11	2	7	12	1	1
8	8	13	8	0	8	13	10	0
9	9	15	4	2	9	15	6	3
10	10	17	1	0	10	17	3	2
11	11	18	9	2	11	19	0	1
12	13	0	6	0	13	0	9	0
13	14	2	2	2	14	2	5	3
14	15	3	11	0	15	4	2	2
15	16	5	7	2	16	5	11	1
16	17	7	4	0	17	7	8	0
17	18	9	0	2	18	9	4	3
18	19	10	9	0	19	11	1	2
19	20	12	5	2	20	12	10	1
20	21	14	2	0	21	14	7	0
30	32	11	3	0	32	11	10	2
40	43	8	4	0	43	9	2	0
50	54	5	5	0	54	6	5	2
60	65	2	6	0	65	3	9	0
70	75	19	7	0	76	1	0	2
80	86	16	8	0	86	18	4	0
90	97	13	9	0	97	15	7	2
100	108	10	10	0	108	12	11	0
200	217	1	8	0	217	5	10	0
300	325	12	6	0	325	18	9	0
400	434	3	4	0	434	11	8	0
500	542	14	2	0	543	4	7	0
1000	1085	8	4	0	1086	9	2	0
5000	5427	1	8	0	5432	5	10	0

	One & Twenty Pence.			21 Pence Farthing			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	9	1	1	9	1
2	2	3	6	2	3	6	2
3	3	5	3	3	5	3	3
4	4	7	0	4	7	1	0
5	5	8	9	5	8	10	1
6	6	10	6	6	10	7	2
7	7	12	3	7	12	4	3
8	8	14	0	8	14	2	0
9	9	15	9	9	15	11	1
10	10	17	6	10	17	8	2
11	11	19	3	11	19	5	3
12	13	1	0	13	1	3	0
13	14	2	9	14	3	0	1
14	15	4	6	15	4	9	2
15	16	6	3	16	6	6	3
16	17	8	0	17	8	4	0
17	18	9	9	18	10	1	1
18	19	11	6	19	11	10	2
19	20	13	3	20	13	7	3
20	21	15	0	21	15	5	0
30	32	12	6	32	13	1	2
40	43	10	0	43	10	10	0
50	54	7	6	54	8	6	2
60	65	5	0	65	6	3	0
70	76	2	6	76	3	11	2
80	87	0	0	87	1	8	0
90	97	17	6	97	19	4	2
100	108	15	0	108	17	1	0
200	217	10	0	217	14	2	0
300	326	5	0	326	11	3	0
400	435	0	0	435	8	4	0
500	543	15	0	544	5	5	0
1000	1087	10	0	1088	10	10	0
5000	5437	10	0	5442	14	2	0

	21 Pence Half-peny.				21 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	1	1	9	2	1	1	9	3
2	2	3	7	0	2	3	7	2
3	3	5	4	2	3	5	5	1
4	4	7	2	0	4	7	3	0
5	5	8	11	2	5	9	0	3
6	6	10	9	0	6	10	10	2
7	7	12	6	2	7	12	8	1
8	8	14	4	0	8	14	6	0
9	9	16	1	2	9	16	3	3
10	10	17	11	0	10	18	1	2
11	11	19	8	2	11	19	11	1
12	13	1	6	0	13	1	9	0
13	14	3	3	2	14	3	6	3
14	15	5	1	0	15	5	4	2
15	16	6	10	2	16	7	2	1
16	17	8	8	0	17	9	0	0
17	18	10	5	2	18	10	9	3
18	19	12	3	0	19	12	7	2
19	20	14	0	2	20	14	5	1
20	21	15	10	0	21	16	3	0
30	32	13	9	0	32	14	4	2
40	43	11	8	0	43	12	6	0
50	54	9	7	0	54	10	7	2
60	65	7	6	0	65	8	9	0
70	76	5	5	0	76	6	10	2
80	87	3	4	0	87	5	0	0
90	98	1	3	0	98	3	1	2
100	108	19	2	0	109	1	3	0
200	217	18	4	0	218	2	6	0
300	326	17	6	0	327	3	9	0
400	435	16	8	0	436	5	0	0
500	544	15	10	0	545	6	3	0
1000	1089	11	8	0	1090	12	6	0
5000	5447	18	4	0	5453	2	6	0

	Two & Twenty-pence.			22 Pence Farthing.			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	10	1	1	10	1
2	2	3	8	2	3	8	2
3	3	5	6	3	5	6	3
4	4	7	4	4	7	5	0
5	5	9	2	5	9	3	1
6	6	11	0	6	11	1	2
7	7	12	10	7	12	11	3
8	8	14	8	8	14	10	0
9	9	16	6	9	16	8	1
10	10	18	4	10	18	6	2
11	12	0	2	12	0	4	3
12	13	2	0	13	2	3	0
13	14	3	10	14	4	1	1
14	15	5	8	15	5	11	2
15	16	7	6	16	7	9	3
16	17	9	4	17	9	8	0
17	18	11	2	18	11	6	1
18	19	13	0	19	13	4	2
19	20	14	10	20	15	2	3
20	21	16	8	21	17	1	0
30	32	15	0	32	15	7	2
40	43	13	4	43	14	2	0
50	54	11	8	54	12	8	2
60	65	10	0	65	11	3	0
70	76	8	4	76	9	9	2
80	87	6	8	87	8	4	0
90	98	5	0	98	6	10	2
100	109	3	4	109	5	5	0
200	218	6	8	218	10	10	0
300	327	10	0	327	16	3	0
400	436	13	4	437	1	8	0
500	545	16	8	546	7	1	0
1000	1091	13	4	1092	14	2	0
5000	5458	6	8	5463	10	10	0

	22 Pence Half-peny.				22 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	1	1	10	2	1	1	10	3
2	2	3	9	0	2	3	9	2
3	3	5	7	2	3	5	8	1
4	4	7	6	0	4	7	7	0
5	5	9	4	2	5	9	5	3
6	6	11	3	0	6	11	4	2
7	7	13	1	2	7	13	3	1
8	8	15	0	0	8	15	2	0
9	9	16	10	2	9	17	0	3
10	10	18	9	0	10	18	11	2
11	12	0	7	2	12	0	10	1
12	13	2	6	0	13	2	9	0
13	14	4	4	2	14	4	7	3
14	15	6	3	0	15	6	6	2
15	16	8	1	2	16	8	5	1
16	17	10	0	0	17	10	4	0
17	18	11	10	2	18	12	2	3
18	19	13	9	0	19	14	1	2
19	20	15	7	2	20	16	0	1
20	21	17	6	0	21	17	11	0
30	32	16	3	0	32	16	10	2
40	43	15	0	0	43	15	10	0
50	54	13	9	0	54	14	9	2
60	65	12	6	0	65	13	9	0
70	76	11	3	0	76	12	8	2
80	87	10	0	0	87	11	8	0
90	98	8	9	0	98	10	7	2
100	109	7	6	0	109	9	7	0
200	218	15	0	0	218	19	2	0
300	328	2	6	0	328	8	9	0
400	437	10	0	0	437	18	4	0
500	546	17	6	0	547	7	11	0
1000	1093	15	0	0	1094	15	10	0
5000	5468	15	0	0	5473	19	2	0

	Three & twenty-pence.			23 Pence Fa thing.			
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*q.*
1	1	1	11	1	1	11	1
2	2	3	10	2	3	10	2
3	3	5	9	3	5	9	3
4	4	7	8	4	7	9	0
5	5	9	7	5	9	8	1
6	6	11	6	6	11	7	2
7	7	13	5	7	13	6	3
8	8	15	4	8	15	6	0
9	9	17	3	9	17	5	1
10	10	19	2	10	19	4	2
11	12	1	1	12	1	3	3
12	13	3	0	13	3	3	0
13	14	4	11	14	5	2	1
14	15	6	10	15	7	1	2
15	16	8	9	16	9	0	3
16	17	10	8	17	11	0	0
17	18	12	7	18	12	11	1
18	19	14	6	19	14	10	2
19	20	16	5	20	16	9	3
20	21	18	4	21	18	9	0
30	32	17	6	32	18	1	2
40	43	16	8	43	17	6	0
50	54	15	10	54	16	10	2
60	65	15	0	65	16	3	0
70	76	14	2	76	15	7	2
80	87	13	4	87	15	0	0
90	98	12	6	98	14	4	2
100	109	11	8	109	13	9	0
200	219	3	4	219	7	6	0
300	328	15	0	329	1	3	0
400	438	6	8	438	15	0	0
500	547	18	4	548	8	9	0
1000	1095	16	8	1096	17	6	0
5000	5479	3	4	5484	7	6	0

	23 Pence Half-peny.				23 Pence 3 Farthings.			
	l.	*s.*	*d.*	*q*	*l.*	*s.*	*d.*	*q.*
1	1	1	11	2	1	1	11	3
2	2	3	11	0	2	3	11	2
3	3	5	10	2	3	5	11	1
4	4	7	10	0	4	7	11	0
5	5	9	9	2	5	9	10	3
6	6	11	9	0	6	11	10	2
7	7	13	8	2	7	13	10	1
8	8	15	8	0	8	15	10	0
9	9	17	7	2	9	17	9	3
10	10	19	7	0	10	19	9	2
11	12	1	6	2	12	1	9	1
12	13	3	6	0	13	3	9	0
13	14	5	5	2	14	5	8	3
14	15	7	5	0	15	7	8	2
15	16	9	4	2	16	9	8	1
16	17	11	4	0	17	11	8	0
17	18	13	3	2	18	13	7	3
18	19	15	3	0	19	15	7	2
19	20	17	2	2	20	17	7	1
20	21	19	2	0	21	19	7	0
30	32	18	9	0	32	19	4	2
40	43	18	4	0	43	19	2	0
50	54	17	11	0	54	18	11	2
60	65	17	6	0	65	18	9	0
70	76	17	1	0	76	18	6	2
80	87	16	8	0	87	18	4	0
90	98	16	3	0	98	18	1	2
100	109	15	10	0	109	17	11	0
200	219	11	8	0	219	15	10	0
300	329	7	6	0	329	13	9	0
400	439	3	4	0	439	11	8	0
500	548	19	2	0	549	9	7	0
1000	1097	18	4	0	1098	19	2	0
5000	5489	11	8	0	5494	15	10	0

	l.	*s.*		*l.*	*s.*
1	1	2	30	33	0
2	2	4	40	44	0
3	3	6	50	55	0
4	4	8	60	66	0
5	5	10	70	77	0
6	6	12	80	88	0
7	7	14	90	99	0
8	8	16	100	110	0
9	9	18	200	220	0
10	11	0	300	330	0
11	12	2	400	440	0
12	13	4	500	550	0
13	14	6	600	660	0
14	15	8	700	770	0
15	16	10	800	880	0
16	17	12	900	990	0
17	18	14	1000	1100	0
18	19	16	2000	2200	0
19	20	18	5000	5500	0
20	22	0	10000	11000	0

Example of this TABLE.

What comes 500 *Guinneys to at* 1 l. 1 s. 8 d. 3 q. per *Guinney.*

I seek for 20 Pence 3 Farthings at the top of the Table, which I find over the third Column in pag. 143; then I seek for 500 in the first Column, and right against it in the third Column I find 543 *l.* 4 *s.* 7 *d.* which answers the Question.

	23 Shillings.		23 Shillings 6 Pence.		
	l.	*s.*	*l.*	*s.*	*d.*
1	1	3	1	3	6
2	2	6	2	7	0
3	3	9	3	10	6
4	4	12	4	14	0
5	5	15	5	17	6
6	6	18	7	1	0
7	8	1	8	4	6
8	9	4	9	8	0
9	10	7	10	11	6
10	11	10	11	15	0
11	12	13	12	18	6
12	13	16	14	2	0
13	14	19	15	5	6
14	16	2	16	9	0
15	17	5	17	12	6
16	18	8	18	16	0
17	19	11	19	19	6
18	20	14	21	3	0
19	21	17	22	6	6
20	23	0	23	10	0
30	34	10	35	5	0
40	46	0	47	0	0
50	57	10	58	15	0
60	69	0	70	10	0
70	80	10	82	5	0
80	92	0	94	0	0
90	103	10	105	15	0
100	115	0	117	10	0
200	230	0	235	0	0
300	345	0	352	10	0
400	460	0	470	0	0
500	575	0	587	10	0
1000	1150	0	1175	0	0
5000	5750	0	5875	0	0

	25 Shillings.		25 Shillings 6 Pence.		
	l.	*s.*	*l.*	*s.*	*d.*
1	1	5	1	5	6
2	2	10	2	11	0
3	3	15	3	16	6
4	5	0	5	2	0
5	6	5	6	7	6
6	7	10	7	13	0
7	8	15	8	18	6
8	10	0	10	4	0
9	11	5	11	9	6
10	12	10	12	15	0
11	13	15	14	0	6
12	15	0	15	6	0
13	16	5	16	11	6
14	17	10	17	17	0
15	18	15	19	2	6
16	20	0	20	8	0
17	21	5	21	13	6
18	22	10	22	19	0
19	23	15	24	4	6
20	25	0	25	10	0
30	37	10	38	5	0
40	50	0	51	0	0
50	62	10	63	15	0
60	75	0	76	10	0
70	87	10	89	5	0
80	100	0	102	0	0
90	112	10	114	15	0
100	125	0	127	10	0
200	250	0	255	0	0
300	375	0	382	10	0
400	500	0	510	0	0
500	625	0	637	10	0
1000	1250	0	1275	0	0
5000	6250	0	6375	0	0

5 1:7:6 4: 2: 5

A TABLE

SHEWING

The Intereſt of any Sum of Money At 6 *per Cent.* Simple Intereſt.

Example.

What is the Intereſt of 336 l. *for* 9 *Months?*

Firſt I find the Intereſt of 300 *l.* then of 30 *l.* and ſtly of 6 *l.* in the Column under 9 Months, thus:

l.	*l.*	*s.*	*d.*
300	13	10	00.0
30	1	7	00.0
6	0	5	04.8
	15	2	04.8

The Anſwer is 15 *l.* 2 *s.* 4 *d.* 3 *q.*

	1 Month.			2 Months.			3 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	0	0.3	0	0	0.6	0	0	0
10	0	0	0.6	0	0	1.2	0	0	1
15	0	0	0.9	0	0	1.8	0	0	2
l. 1	0	0	1.2	0	0	2.4	0	0	3
2	0	0	2.4	0	0	4.8	0	0	7
3	0	0	3.6	0	0	7.2	0	0	10
4	0	0	4.8	0	0	9.6	0	1	2
5	0	0	6.0	0	1	0.0	0	1	6
6	0	0	7.2	0	1	2.4	0	1	9
7	0	0	8.4	0	1	4.8	0	2	1
8	0	0	9.6	0	1	7.2	0	2	4
9	0	0	10.8	0	1	9.6	0	2	8
10	0	1	0.0	0	2	0.0	0	3	0
20	0	2	0.0		4	0.0	0	6	0
30	0	3	0.0		6	0.0	0	9	0
40	0	4	0.0	0	8	0.0	0	12	0
50	0	5	0.0	0	10	0.0	0	15	0
60	0	6	0.0	0	12	0.0	0	18	0
70	0	7	0.0	0	14	0.0	1	1	0
80	0	8	0.0	0	16	0.0	1	4	0
90	0	9	0.0	0	18	0.0	1	7	0
100	0	10	0.0	1	0	0.0	1	10	0
200	1	0	0.0	2	0	0.0	3	0	0
300	1	10	0.0	3	0	0.0	4	10	0
400	2	0	0.0	4	0	0.0	6	0	0
500	2	10	0.0	5	0	0.0	7	10	0
600	3	0	0.0	6	0	0.0	9	0	0
700	3	10	0.0	7	0	0.0	10	10	0
800	4	0	0.0	8	0	0.0	12	0	0
900	4	10	0.0	9	0	0.0	13	10	0
1000	5	0	0.0	10	0	0.0	15	0	0
2000	10	0	0.0	20	0	0.0	30	0	0
3000	15	0	0.0	30	0	0.0	45	0	0
5000	25	0	0.0	50	0	0.0	75	0	0

	4 Months.			5 Months.			6 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	0	1.2	0	0	1.5	0	0	1.8
10	0	0	2.4	0	0	3.0	0	0	3.6
15	0	0	3.6	0	0	4.5	0	0	5.4
l. 1	0	0	4.8	0	0	6.0	0	0	7.2
2	0	0	9.6	0	1	0.0	0	1	2.4
3	0	1	2.4	0	1	6.0	0	1	9.6
4	0	1	7.2	0	2	0.0	0	2	4.8
5	0	2	0.0	0	2	6.0	0	3	0.0
6	0	2	4.8	0	3	0.0	0	3	7.2
7	0	2	9.6	0	3	6.0	0	4	2.4
8	0	3	2.4	0	4	0.0	0	4	9.6
9	0	3	7.2	0	4	6.0	0	5	4.8
10	0	4	0.0	0	5	0.0	0	6	0.0
20	0	8	0.0	0	10	0.0	0	12	0.0
30	0	12	0.0	0	15	0.0	0	18	0.0
40	0	16	0.0	1	0	0.0	1	4	0.0
50	1	0	0.0	1	5	0.0	1	10	0.0
60	1	4	0.0	1	10	0.0	1	16	0.0
70	1	8	0.0	1	15	0.0	2	2	0.0
80	1	12	0.0	2	0	0.0	2	8	0.0
90	1	16	0.0	2	5	0.0	2	14	0.0
100	2	0	0.0	2	10	0.0	3	0	0.0
200	4	0	0.0	5	0	0.0	6	0	0.0
300	6	0	0.0	7	10	0.0	9	0	0.0
400	8	0	0.0	10	0	0.0	12	0	0.0
500	10	0	0.0	12	10	0.0	15	0	0.0
600	12	0	0.0	15	0	0.0	18	0	0.0
700	14	0	0.0	17	10	0.0	21	0	0.0
800	16	0	0.0	20	0	0.0	24	0	0.0
900	18	0	0.0	22	10	0.0	27	0	0.0
1000	20	0	0.0	25	0	0.0	30	0	0.0
2000	40	0	0.0	50	0	0.0	60	0	0.0
3000	60	0	0.0	75	0	0.0	90	0	0.0
5000	100	0	0.0	125	0	0.0	150	0	0.0

	7 Months.			8 Months.			9 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	0	2.1	0	0	2.4	0	0	2.7
10	0	0	4.2	0	0	4.8	0	0	5.4
15	0	0	6.3	0	0	7.2	0	0	8.1
l. 1	0	0	8.4	0	0	9.6	0	0	10.8
2	0	1	4.8	0	1	7.2	0	1	9.6
3	0	2	1.2	0	2	4.8	0	2	8.4
4	0	2	9.6	0	3	2.4	0	3	7.2
5	0	3	6.0	0	4	0.0	0	4	6.0
6	0	4	2.4	0	4	9.6	0	5	4.8
7	0	4	10.8	0	5	7.2	0	6	3.6
8	0	5	7.2	0	6	4.8	0	7	2.4
9	0	6	3.6	0	7	2.4	0	8	1.2
10	0	7	0.0	0	8	0.0	0	9	0.0
20	0	14	0.0	0	16	0.0	0	18	0.0
30	1	1	0.0	1	4	0.0	1	7	0.0
40	1	8	0.0	1	12	0.0	1	16	0.0
50	1	15	0.0	2	0	0.0	2	5	0.0
60	2	2	0.0	2	8	0.0	2	14	0.0
70	2	9	0.0	2	16	0.0	3	3	0.0
80	2	16	0.0	3	4	0.0	3	12	0.0
90	3	3	0.0	3	12	0.0	4	1	0.0
100	3	10	0.0	4	0	0.0	4	10	0.0
200	7	0	0.0	8	0	0.0	9	0	0.0
300	10	10	0.0	12	0	0.0	13	10	0.0
400	14	0	0.0	16	0	0.0	18	0	0.0
500	17	10	0.0	20	0	0.0	22	10	0.0
600	21	0	0.0	24	0	0.0	27	0	0.0
700	24	10	0.0	28	0	0.0	31	10	0.0
800	28	0	0.0	32	0	0.0	36	0	0.0
900	31	10	0.0	36	0	0.0	40	10	0.0
1000	35	0	0.0	40	0	0.0	45	0	0.0
2000	70	0	0.0	80	0	0.0	90	0	0.0
3000	105	0	0.0	120	0	0.0	135	0	0.0
5000	175	0	0.0	200	0	0.0	225	0	0.0

	10 Months.			11 Months.			12 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	0	3.0	0	0	3.3	0	0	3.6
10	0	0	6.0	0	0	6.6	0	0	7.2
15	0	0	9.0	0	0	9.9	0	0	10.8
l. 1	0	1	0.0	0	1	1.2	0	1	2.4
2	0	2	0.0	0	2	2.4	0	2	4.8
3	0	3	0.0	0	3	3.6	0	3	7.2
4	0	4	0.0	0	4	4.8	0	4	9.6
5	0	5	0.0	0	5	6.0	0	6	0.0
6	0	6	0.0	0	6	7.2	0	7	2.4
7	0	7	0.0	0	7	8.4	0	8	4.8
8	0	8	0.0	0	8	9.6	0	9	7.2
9	0	9	0.0	0	9	10.8	0	10	9.6
10	0	10	0.0	0	11	0.0	0	12	0.0
20	1	0	0.0	1	2	0.0	1	4	0.0
30	1	10	0.0	1	13	0.0	1	16	0.0
40	2	0	0.0	2	4	0.0	2	8	0.0
50	2	10	0.0	2	15	0.0	3	0	0.0
60	3	0	0.0	3	6	0.0	3	12	0.0
70	3	10	0.0	3	17	0.0	4	4	0.0
80	4	0	0.0	4	8	0.0	4	16	0.0
90	4	10	0.0	4	19	0.0	5	8	0.0
100	5	0	0.0	5	10	0.0	6	0	0.0
200	10	0	0.0	11	0	0.0	12	0	0.0
300	15	0	0.0	16	10	0.0	18	0	0.0
400	20	0	0.0	22	0	0.0	24	0	0.0
500	25	0	0.0	27	10	0.0	30	0	0.0
600	30	0	0.0	33	0	0.0	36	0	0.0
700	35	0	0.0	38	10	0.0	42	0	0.0
800	40	0	0.0	44	0	0.0	48	0	0.0
900	45	0	0.0	49	10	0.0	54	0	0.0
1000	50	0	0.0	55	0	0.0	60	0	0.0
2000	100	0	0.0	110	0	0.0	120	0	0.0
3000	150	0	0.0	165	0	0.0	180	0	0.0
5000	250	0	0.0	275	0	0.0	300	0	0.0

TO find the Intereſt of any ſum of Money for any Number of Days at any Rate of Intereſt, the Rule is,

Multiply the Principal by the Rate, and the Product by the Number of Days, and it gives a Dividend, which divided by 36500 (the Common Diviſor for all Rates) anſwers the Queſtion.

Example 1. *What is the Intereſt of* 500 l. *at* 6 per Cent. *for* 200 *Days?*

The Principal 500
The Rate 6

3000
Days 200

Common Diviſor 36500) 600000 (16.438

Anſwer 16 *l.* 8 *s.* 9 *d.*

Example 2. *What is the Intereſt of* 1000 l. *at* 8 per Cent. *for* 365 *Days?*

Principal 1000
Rate 8

8000
365

Common Diviſor 36500) 2920000 (80 *l.* Anſwer.

And thus may you readily find the Intereſt of any ſum of Money at any other Rate, for any Number of Days.

1	36500
2	73000
3	109500
4	146000
5	182500
6	219000
7	255500
8	292000
9	328500

For the eaſing you in your Diviſion, I have here inſerted a Table of the Multiplication of the Common Diviſor, whereby you may at firſt ſight perceive how many times the Diviſor is contained in the Dividend.

A Table

A TABLE OF THE DISCOMPT or REBATE OF MONEYS

At 6 *per Cent.* Simple Intereſt.

SHEWING

The preſent Value of a Sum of Money due at the End of 1,2,3,4,5,6,7,8,9,10,11,12,24, or 36 Months.

Example.

I have bought Goods amounting to 155 *l.* to be paid t the end of 3 Months, I deſire to know how much oney paid down preſently will ſatisfie this ſum, diſompting after the Rate of 6 *per Cent.*

Here I muſt ſeek for the ſum in three parts thus,

l.		*l.*	*s.*	*q.*
00	Due at 3 Months end, worth preſently	98	10	5.32
50		49	5	2.66
5		4	18	6.27
		152	14	2.25

So that it appears by the Table that 152 *l.* 14 *s.* and *d.* 1 *q.* paid down preſently, will ſatisfie for 155 *l.* due t 3 Months end.

	1 Month.			2 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	4	11.70	0	4	11.41
10	0	9	11.40	0	9	10.81
15	0	14	11.10	0	14	10.22
l. 1	0	19	10.81	0	19	9.63
2	1	19	9.61	1	19	7.25
3	2	19	8.42	2	19	4.87
4	3	19	7.22	3	19	2.50
5	4	19	6.03	4	19	0.12
6	5	19	4.84	5	18	9.74
7	6	19	3.64	6	18	7.37
8	7	19	2.45	7	18	4.99
9	8	19	1.25	8	18	2.61
10	9	19	0.06	9	18	0.24
20	19	18	0.12	19	16	0.48
30	29	17	0.18	29	14	0.71
40	39	16	0.24	39	12	0.95
50	49	15	0.30	49	10	1.19
60	59	14	0.36	59	8	1.43
70	69	13	0.42	69	6	1.66
80	79	12	0.48	79	4	1.90
90	89	11	0.54	89	2	2.14
100	99	10	0.60	99	0	2.38
200	199	0	1.19	198	0	4.75
300	298	10	1.79	297	0	7.13
400	398	0	2.39	396	0	9.50
500	497	10	2.99	495	0	11.88
600	597	0	3.58	594	1	2.26
700	696	10	4.18	693	1	4.63
800	796	0	4.78	792	1	7.01
900	895	10	5.37	891	1	9.39
1000	995	0	5.97	990	1	11.76
2000	1990	0	11.94	1980	3	11.52
3000	2985	1	5.91	2970	5	11.29
5000	4975	2	5.85	4950	9	10.81

	3 Months.			4 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	4	11.11	0	4	10.82
10	0	9	10.23	0	9	9.65
15	0	14	9.34	0	14	8.47
l. 1	0	19	8.45	0	19	7.29
2	1	19	4.91	1	19	2.59
3	2	19	1.36	2	18	9.88
4	3	18	9.81	3	18	5.18
5	4	18	6.27	4	18	0.47
6	5	18	2.72	5	17	7.76
7	6	17	11.17	6	17	3.06
8	7	17	7.63	7	16	10.35
9	8	17	4.08	8	16	5.65
10	9	17	0.53	9	16	0.94
20	19	14	1.06	19	12	1.88
30	29	11	1.60	29	8	2.82
40	39	8	2.13	39	4	3.76
50	49	5	2.66	49	0	4.71
60	59	2	3.19	58	16	5.65
70	68	19	3.72	68	12	6.59
80	78	16	4.26	78	8	7.53
90	88	13	4.79	88	4	8.47
100	98	10	5.32	98	0	9.41
200	197	0	10.64	196	1	6.82
300	295	11	3.96	294	2	4.24
400	394	1	9.28	392	3	1.65
500	492	12	2.60	490	3	11.06
600	591	2	7.92	588	4	8.47
700	689	13	1.24	686	5	5.88
800	788	3	6.56	784	6	3.29
900	886	13	11.88	882	7	0.71
1000	985	4	5.20	980	7	10.12
2000	1970	8	10.40	1960	15	8.24
3000	2955	13	3.61	2941	3	6.35
5000	4926	2	2.01	4901	19	2.59

	5 Months.			6 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	4	10.54	0	4	10.25
10	0	9	9.07	0	9	8.51
15	0	14	7.61	0	14	6.76
l. 1	0	19	6.15	0	19	5.01
2	1	19	0.29	1	18	10.02
3	2	18	6.44	2	18	3.03
4	3	18	0.59	3	17	8.04
5	4	17	6.73	4	17	1.05
6	5	17	0.88	5	16	6.06
7	6	16	7.02	6	15	11.07
8	7	16	1.17	7	15	4.08
9	8	15	7.32	8	14	9.09
10	9	15	1.46	9	14	2.10
20	19	10	2.93	19	8	4.19
30	29	5	4.39	29	2	6.29
40	39	0	5.85	38	16	8.39
50	48	15	7.32	48	10	10.48
60	58	10	8.78	58	5	0.58
70	68	5	10.24	67	19	2.68
80	78	0	11.71	77	13	4.78
90	87	16	1.17	87	7	6.87
100	97	11	2.63	97	1	8.97
200	195	2	5.27	194	3	5.94
300	292	13	7.90	291	5	2.91
400	390	4	10.54	388	6	11.88
500	487	16	1.17	485	8	8.85
600	585	7	3.80	582	10	5.82
700	682	18	6.44	679	12	2.79
800	780	9	9.07	776	13	11.77
900	878	0	11.71	873	15	8.74
1000	975	12	2.34	970	17	5.71
2000	1951	4	4.68	1941	14	11.42
3000	2926	16	7.02	2912	12	5.13
5000	4878	0	11.71	4854	7	4.54

	7 Months.			8 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
l. 5	0	4	9.97	0	4	9.69
10	0	9	7.94	0	9	7.38
15	0	14	5.91	0	14	5.07
l. 1	0	19	3.88	0	19	2.77
2	1	18	7.77	1	18	5.54
3	2	17	11.65	2	17	8.31
4	3	17	3.54	3	16	11.08
5	4	16	7.42	4	16	1.85
6	5	15	11.30	5	15	4.61
7	6	15	3.19	6	14	7.38
8	7	14	7.07	7	13	10.15
9	8	13	10.96	8	13	0.92
10	9	13	2.84	9	12	3.69
20	19	6	5.68	19	4	7.38
30	28	19	8.52	28	16	11.08
40	38	12	11.36	38	9	2.77
50	48	6	2.20	48	1	6.46
60	57	19	5.04	57	13	10.15
70	67	12	7.88	67	6	1.85
80	77	5	10.72	76	18	5.54
90	86	19	1.57	86	10	9.23
100	96	12	4.41	96	3	0.92
200	193	4	8.81	192	6	1.84
300	289	17	1.22	288	9	2.76
400	386	9	5.62	384	12	3.69
500	483	1	10.03	480	15	4.61
600	579	14	2.43	576	18	5.54
700	676	6	6.84	673	1	6.46
800	772	18	11.25	769	4	7.38
900	869	11	3.65	865	7	8.31
1000	966	3	8.06	961	10	9.23
2000	1932	7	4.12	1923	1	6.46
3000	2898	11	0.17	2884	12	3.69
5000	4830	18	4.29	4807	13	10.15

	9 Months.			10 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	4	9.42	0	4	9.14
10	0	9	6.83	0	9	6.28
15	0	14	4.25	0	14	3.42
l. 1	0	19	1.67	0	19	0.57
2	1	18	3.33	1	18	1.14
3	2	17	4.99	2	17	1.71
4	3	16	6.66	3	16	2.29
5	4	15	8.33	4	15	2.86
6	5	14	9.99	5	14	3.43
7	6	13	11.66	6	13	4.00
8	7	13	1.32	7	12	4.57
9	8	12	2.99	8	11	5.14
10	9	11	4.65	9	10	5.71
20	19	2	9.30	19	0	11.43
30	28	14	1.95	28	11	5.14
40	38	5	6.60	38	1	10.86
50	47	16	11.25	47	12	4.57
60	57	8	3.90	57	2	10.29
70	66	19	8.56	66	13	4.00
80	76	11	1.21	76	3	9.71
90	86	2	5.86	85	14	3.43
100	95	13	10.51	95	4	9.14
200	191	7	9.01	190	9	6.29
300	287	1	7.52	285	14	3.43
400	382	15	6.03	380	19	0.57
500	478	9	4.54	476	3	9.71
600	574	3	3.04	571	8	6.86
700	669	17	1.55	666	13	4.00
800	765	11	0.06	761	18	1.14
900	861	4	10.56	857	2	10.29
1000	956	18	9.07	952	7	7.43
2000	1913	17	6.14	1904	15	2.86
3000	2870	16	3.22	2857	2	10.29
5000	4784	13	9.36	4761	18	1.14

	11 Months.			12 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
£. 5	0	4	8.87	0	4	8.60
10	0	9	5.74	0	9	5.21
15	0	14	2.61	0	14	1.81
l. 1	0	18	11.49	0	18	10.42
2	1	17	10.98	1	17	8.83
3	2	16	10.46	2	16	7.25
4	3	15	9.95	3	15	5.66
5	4	14	9.44	4	14	4.08
6	5	13	8.93	5	13	2.49
7	6	12	8.42	6	12	0.91
8	7	11	7.91	7	10	11.32
9	8	10	7.39	8	9	9.74
10	9	9	6.88	9	8	8.15
20	18	19	1.76	18	17	4.30
30	28	8	8.64	28	6	0.45
40	37	18	3.53	37	14	8.60
50	47	7	10.41	47	3	4.75
60	56	17	5.29	56	12	0.91
70	66	7	0.17	66	0	9.06
80	75	16	7.05	75	9	5.21
90	85	6	1.93	84	18	1.36
100	94	15	8.82	94	6	9.51
200	189	11	5.63	188	13	7.01
300	284	7	2.45	283	0	4.53
400	379	2	11.26	377	7	2.04
500	473	18	8.08	471	13	11.55
600	568	14	4.89	566	0	9.06
700	663	10	1.71	660	7	6.57
800	758	5	10.52	754	14	4.08
900	853	1	7.34	849	1	1.58
1000	947	17	4.15	943	7	11.09
2000	1895	14	8.30	1886	15	10.19
3000	2843	12	0.45	2830	3	9.28
5000	4739	6	8.76	4716	19	7.47

	24 Months.			36 Months.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
s. 5	0	4	5.57	0	4	2.85
10	0	8	11.14	0	8	5.71
15	0	13	4.71	0	12	8.57
l. 1	0	17	10.28	0	16	11.39
2	1	15	8.57	1	13	10.78
3	2	13	6.86	2	10	10.17
4	3	11	5.14	3	7	9.56
5	4	9	3.43	4	4	8.95
6	5	7	1.71	5	1	8.34
7	6	5	0.00	5	18	7.73
8	7	2	10.28	6	15	7.12
9	8	0	8.57	7	12	6.51
10	8	18	6.86	8	9	5.90
20	17	17	1.71	16	18	11.79
30	26	15	8.57	25	8	5.69
40	35	14	3.43	33	17	11.59
50	44	12	10.28	42	7	5.49
60	53	11	5.14	50	16	11.39
70	62	10	0.00	59	6	5.29
80	71	8	6.86	67	15	11.19
90	80	7	1.71	76	5	5.08
100	89	5	8.57	84	14	10.98
200	178	11	5.14	169	9	9.97
300	267	17	1.71	254	4	8.95
400	357	2	10.28	338	19	7.93
500	446	8	6.86	423	14	6.91
600	535	14	3.43	508	9	5.90
700	625	0	0.00	593	4	4.88
800	714	5	8.57	677	19	3.86
900	803	11	5.14	762	14	2.85
1000	892	17	1.71	847	9	1.83
2000	1785	14	3.43	1694	18	3.66
3000	2678	11	5.14	2542	7	5.49
5000	4464	5	8.57	4237	5	9.15

TABLES

FOR THE

Forbearance, Diſcompt, and Purchaſe

OF

ANNUITIES,

For 1, 3, 5, 7, 10, 14, 20, and 21 Years, at *6 per Cent.* Compound Intereſt.

SHEWING,

1. What an Annuity, Rent, or Penſion, forborn any of thoſe Numbers of Years amounts to.
2. What an Annuity, to continue any of thoſe Numbers of Years, is worth in ready Money.
3. What Annuity any ſum of Money will purchaſe to continue any of the aboveſaid Numbers of Years.

Note, That you have two years inſtead of one year purpoſely ſet down in the Forbearance of Annuities, becauſe the Annuity is not due till the end of one year, and therefore cannot be conſidered as forborn that time.

Pounds	2 Years.			3 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	2	1	2.40	3	3	8.06
2	4	2	4.80	6	7	4.13
3	6	3	7.20	9	11	0.19
4	8	4	9.60	12	14	8.26
5	10	6	0.00	15	18	4.32
6	12	7	2.40	19	2	0.38
7	14	8	4.80	22	5	8.45
8	16	9	7.20	25	9	4.51
9	18	10	9.60	28	13	0.58
10	20	12	0.00	31	16	8.64
20	41	4	0.00	63	13	5.28
30	61	16	0.00	95	10	1.92
40	82	8	0.00	127	6	10.56
50	103	0	0.00	159	3	7.20
60	123	12	0.00	191	0	3.84
70	144	4	0.00	222	17	0.48
80	164	16	0.00	254	13	9.12
90	185	8	0.00	286	10	5.76
100	206	0	0.00	318	7	2.40
200	412	0	0.00	636	14	4.80
300	618	0	0.00	955	1	7.20
400	824	0	0.00	1273	8	9.60
500	1030	0	0.00	1591	16	0.00
600	1236	0	0.00	1910	3	2.40
700	1442	0	0.00	2228	10	4.80
800	1648	0	0.00	2546	17	7.20
900	1854	0	0.00	2865	4	9.60
1000	2060	0	0.00	3183	12	0.00
2000	4120	0	0.00	6367	4	0.00
3000	6180	0	0.00	9550	16	0.00
4000	8240	0	0.00	12734	8	0.00
5000	10300	0	0.00	15918	0	0.00
10000	20600	0	0.00	31836	0	0.00

Pounds	5 Years.			7 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	5	12	8.90	8	7	10.52
2	11	5	5.80	16	15	9.04
3	16	18	2.71	25	3	7.56
4	22	10	11.61	33	11	6.08
5	28	3	8.51	41	19	4.60
6	33	16	5.41	50	7	3.13
7	39	9	2.32	58	15	1.65
8	45	1	11.22	67	3	0.17
9	50	14	8.12	75	10	10.69
10	56	7	5.02	83	18	9.21
20	112	14	10.05	167	17	6.42
30	169	2	3.07	251	16	3.63
40	225	9	8.09	335	15	0.84
50	281	17	1.12	419	13	10.04
60	338	4	6.14	503	12	7.25
70	394	11	11.16	587	11	4.46
80	450	19	4.19	671	10	1.67
90	507	6	9.21	755	8	10.89
100	563	14	2.23	839	7	8.09
200	1127	8	4.46	1678	15	4.18
300	1691	2	6.70	2518	3	0.26
400	2254	16	8.93	3357	10	8.35
500	2818	10	11.16	4196	18	4.44
600	3382	5	1.39	5036	6	0.53
700	3945	19	3.62	5875	13	8.62
800	4509	13	5.86	6715	1	4.70
900	5073	7	8.09	7554	9	0.79
1000	5637	1	10.32	8393	16	8.88
2000	11274	3	8.64	16787	13	5.76
3000	16911	5	6.96	25181	10	2.64
4000	22548	7	5.28	33575	6	11.52
5000	28185	9	3.60	41969	3	8.40
10000	56370	18	7.20	83938	7	4.80

Pounds	10 Years.			14 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	13	3	7.40	21	0	3.61
2	26	7	2.80	42	0	7.23
3	39	10	10.20	63	0	10.85
4	52	14	5.60	84	1	2.46
5	65	18	0.95	105	1	6.08
6	79	1	8.34	126	1	9.69
7	92	5	3 73	147	2	1.31
8	105	8	11.13	168	2	4.93
9	118	12	6.52	189	2	8.54
10	131	16	1.92	210	3	0.16
20	263	12	3.84	420	6	0.31
30	395	8	5.75	630	9	0.47
40	527	4	7.67	840	12	0.62
50	659	0	9.59	1050	15	0.78
60	790	16	11.51	1260	18	0.94
70	922	13	1.42	1471	1	1.09
80	1054	9	3.34	1681	4	1.25
90	1186	5	5.26	1891	7	1.40
100	1318	1	7.18	2101	10	1.56
200	2636	3	2.35	4203	0	3.12
300	3954	4	9.53	6304	10	4.68
400	5272	6	4.70	8406	0	6.24
500	6590	7	11.88	10507	10	7.80
600	7908	9	7.06	12609	0	9.36
700	9226	11	2.23	14710	10	10.92
800	10544	12	9.41	16812	1	0.48
900	11862	14	4.58	18913	11	2.04
1000	13180	15	11.76	21015	1	3.60
2000	26361	11	11.52	42030	2	7.20
3000	39542	7	11.28	63045	3	10.80
4000	52723	3	11.04	84060	5	2.40
5000	65903	19	10.80	105075	6	6.00
10000	131807	18	9.60	210150	13	0.00

Pounds	20 Years.			21 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	36	15	8.54	39	19	10.25
2	73	11	5.08	79	19	8.51
3	110	7	1.63	119	19	6.76
4	147	2	10.17	159	19	5.02
5	183	18	6.71	199	19	3.27
6	220	14	3.25	239	19	1.53
7	257	9	11.79	279	18	11.78
8	294	5	8.34	319	18	10.04
9	331	1	4.88	359	18	8.29
10	367	17	1.42	399	18	6.54
20	735	14	2.83	799	17	1.08
30	1103	11	4.25	1199	15	7.62
40	1471	8	5.66	1599	14	2.16
50	1839	5	7.08	1999	12	8.70
60	2207	2	8.50	2399	11	3.24
70	2574	19	9.91	2799	9	9.78
80	2942	16	11.33	3199	8	4.32
90	3310	14	0.74	3599	6	10.86
100	3678	11	2.16	3999	5	5.40
200	7357	2	4.32	7998	10	10.80
300	11035	13	6.48	11997	16	4.20
400	14714	4	8.64	15997	1	9.60
500	18392	15	10.80	19996	7	3.00
600	22071	7	0.96	23995	12	8.40
700	25749	18	3.12	27994	18	1.80
800	29428	9	5.28	31994	3	7.20
900	33107	0	7.44	35993	9	0.60
1000	36785	11	9.60	39992	14	6.00
2000	73571	3	7.20	79985	9	0.00
3000	110356	15	4.80	119978	3	6.00
4000	147142	7	2.40	159970	18	0.00
5000	183927	19	0.00	199963	12	6.00
0000	367855	18	0.00	399927	5	0.00

Pounds	1 Year.			3 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	18	10.41	2	13	5.52
2	1	17	8.83	5	6	11.05
3	2	16	7.25	8	0	4.57
4	3	15	5.67	10	13	10.09
5	4	14	4.08	13	7	3.61
6	5	13	2.49	16	0	9.14
7	6	12	0.91	18	14	2.66
8	7	10	11.32	21	7	8.18
9	8	9	9.74	24	1	1.71
10	9	8	8.15	26	14	7.23
20	18	17	4.30	53	9	2.46
30	28	6	0.45	80	3	9.69
40	37	14	8.60	106	18	4.92
50	47	3	4.75	133	13	0.14
60	56	12	0.90	160	7	7.37
70	66	0	9.05	187	2	2.60
80	75	9	5.20	213	16	9.83
90	84	18	1.35	240	11	5.06
100	94	6	9.50	267	6	0.29
200	188	13	7.01	534	12	0.58
300	283	0	4.51	801	18	0.86
400	377	7	2.02	1069	4	1.15
500	471	13	11.52	1336	10	1.44
600	566	0	9.02	1603	16	1.73
700	660	7	6.53	1871	2	2.02
800	754	14	4.03	2138	8	2.30
900	849	1	1.54	2405	14	2.59
1000	943	7	11.04	2673	0	2.88
2000	1886	15	10.08	5346	0	5.76
3000	2830	3	9.12	8019	0	8.64
4000	3773	11	8.16	10692	0	11.52
5000	4716	19	7.20	13365	1	2.40
10000	9433	19	2.40	26730	2	4.80

Pounds	5 Years.			7 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	4	4	2.97	5	11	7.77
2	8	8	5.93	11	3	3.54
3	12	12	8.90	16	14	11.31
4	16	16	11.87	22	6	7.09
5	21	1	2.84	27	18	2.86
6	25	5	5.80	33	9	10.63
7	29	9	8.77	39	1	6.40
8	33	13	11.74	44	13	2.17
9	37	18	2.71	50	4	9.94
10	42	2	5.67	55	16	5.71
20	84	4	11.34	111	12	11.43
30	126	7	5.01	167	9	5.14
40	168	9	10.68	223	5	10.86
50	210	12	4.36	279	2	4.57
60	252	14	10.03	334	18	10.29
70	294	17	3.70	390	15	4.00
80	336	19	9.37	446	11	9.72
90	379	2	3.04	502	8	3.43
100	421	4	8.71	558	4	9.15
200	842	9	5.42	1116	9	6.29
300	1263	14	2.14	1674	14	3.43
400	1684	18	10.85	2232	19	0.58
500	2106	3	7.56	2791	3	9.72
600	2527	8	4.27	3349	8	6.86
700	2948	13	0.98	3907	13	4.01
800	3369	17	9.70	4465	18	1.15
900	3791	2	6.41	5024	2	10.30
1000	4212	7	3.12	5582	7	7.44
2000	8424	14	6.24	11164	15	2.88
3000	12637	1	9.36	16747	2	10.32
4000	16849	9	0.48	22329	10	5.76
5000	21061	16	3.60	27911	18	1.20
10000	42123	12	7.20	55823	16	2.40

Pounds	10 Years.			14 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	7	7	2.42	9	5	10.80
2	14	14	4.84	18	11	9.59
3	22	1	7.26	27	17	8.39
4	29	8	9.68	37	3	7.19
5	36	16	0.10	46	9	5.98
6	44	3	2.53	55	15	4.78
7	51	10	4.95	65	1	3.57
8	58	17	7.37	74	7	2.37
9	66	4	9.79	83	13	1.17
10	73	12	0.21	92	18	11.96
20	147	4	0.41	185	17	11.92
30	220	16	0.62	278	16	11.88
40	294	8	0.83	371	15	11.84
50	368	0	1.03	464	14	11.80
60	441	12	1.24	557	13	11.76
70	515	4	1.44	650	12	11.71
80	588	16	1.65	743	11	11.67
90	662	8	1.86	836	10	11.63
100	736	0	2.06	929	9	11.59
200	1472	0	4.13	1858	19	11.18
300	2208	0	6.19	2788	9	10.78
400	2944	0	8.26	3717	19	10.37
500	3680	0	10.32	4647	9	9.96
600	4416	1	0.38	5576	19	9.55
700	5152	1	2.45	6506	9	9.14
800	5888	1	4.51	7435	19	8.74
900	6624	1	6.58	8365	9	8.33
1000	7360	1	8.64	9294	19	7.92
2000	14720	3	5.28	18589	19	3.84
3000	22080	5	1.92	27884	18	11.76
4000	29440	6	10.56	37179	18	7.68
5000	36800	8	7.20	46474	18	3.60
10000	73600	17	2.40	92949	16	7.20

Pounds	20 Years.			21 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	11	9	4.78	11	15	3.38
2	22	18	9.56	23	10	6.76
3	34	8	2.34	35	5	10.14
4	45	17	7.12	47	1	1.51
5	57	6	11.91	58	16	4.89
6	68	16	4.69	70	11	8.27
7	80	5	9.47	82	6	11.65
8	91	15	2.25	94	2	3.03
9	103	4	7.03	105	17	6.41
10	114	13	11.81	117	12	9.78
20	229	7	11.62	235	5	7.56
30	344	1	11.43	352	18	5.34
40	458	15	11.23	470	11	3.12
50	573	9	11.04	588	4	0.90
60	688	3	10.85	705	16	10.68
70	802	17	10.66	823	9	8.46
80	917	11	10.46	941	2	6.24
90	1032	5	10.27	1058	15	4.02
100	1146	19	10.08	1176	8	1.80
200	2293	19	8.16	2352	16	3.60
300	3440	19	6.24	3529	4	5.40
400	4587	19	4.32	4705	12	7.20
500	5734	19	2.40	5882	0	9.00
600	6881	19	0.48	7058	8	10.80
700	8028	18	10.56	8234	17	0.60
800	9175	18	8.64	9411	5	2.40
900	10322	18	6.72	10587	13	4.20
1000	11469	18	4.80	11764	1	6.00
2000	22939	16	9.60	23528	3	0.00
3000	34409	15	2.40	35292	4	6.00
4000	45879	13	7.20	47056	6	0.00
5000	57349	12	0.00	58820	7	6.00
10000	114699	4	0.00	117640	15	0.00

Pounds	1 Year.			3 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	1	1	2.40	0	7	5.79
2	2	2	4.80	0	14	11.57
3	3	3	7.20	1	2	5.36
4	4	4	9.60	1	9	11.14
5	5	6	0.00	1	17	4.93
6	6	7	2.40	2	4	10.72
7	7	8	4.80	2	12	4.50
8	8	9	7.20	2	19	10.29
9	9	10	9.60	3	7	4.08
10	10	12	0.00	3	14	9.86
20	21	4	0.00	7	9	7.73
30	31	16	0.00	11	4	5.59
40	42	8	0.00	14	19	3.46
50	53	0	0.00	18	14	1.32
60	63	12	0.00	22	8	11.18
70	74	4	0.00	26	3	9.05
80	84	16	0.00	29	18	6.91
90	95	8	0.00	33	13	4.78
100	106	0	0.00	37	8	2.64
200	212	0	0.00	74	16	5.28
300	318	0	0.00	112	4	7.92
400	424	0	0.00	149	12	10.56
500	530	0	0.00	187	1	1.20
600	636	0	0.00	224	9	3.84
700	742	0	0.00	261	17	6.48
800	848	0	0.00	299	5	9.12
900	954	0	0.00	336	13	11.76
1000	1060	0	0.00	374	2	2.40
2000	2120	0	0.00	748	4	4.80
3000	3180	0	0.00	1122	6	7.20
4000	4240	0	0.00	1496	8	9.60
5000	5300	0	0.00	1870	11	0.00
10000	10600	0	0.00	3741	2	0.00

Pounds	5 Years.			7 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	4	8.97	0	3	6.99
2	0	9	5.95	0	7	1.98
3	0	14	2.93	0	10	8.98
4	0	18	11.90	0	14	3.97
5	1	3	8.88	0	17	10.96
6	1	8	5.85	1	1	5.95
7	1	13	2.83	1	5	0.95
8	1	17	11.80	1	8	7.94
9	2	2	8.78	1	12	2.93
10	2	7	5.75	1	15	9.92
20	4	14	11.50	3	11	7.85
30	7	2	5.25	5	7	5.77
40	9	9	11.00	7	3	3.70
50	11	17	4.75	8	19	1.62
60	14	4	10.50	10	14	11.54
70	16	12	4.25	12	10	9.47
80	18	19	10.00	14	6	7.39
90	21	7	3.75	16	2	5.32
100	23	14	9.50	17	18	3.24
200	47	9	7.00	35	16	6.48
300	71	4	4.51	53	14	9.72
400	94	19	2.02	71	13	0.96
500	118	13	11.52	89	11	4.20
600	142	8	9.02	107	9	7.44
700	166	3	6.53	125	7	10.68
800	189	18	4.03	143	6	1.92
900	213	13	1.54	161	4	5.16
1000	237	7	11.04	179	2	8.40
2000	474	15	10.08	358	5	4.80
3000	712	3	9.12	537	8	1.20
4000	949	11	8.16	716	10	9.60
5000	1186	19	7.20	895	13	6.00
10000	2373	19	2.40	1791	7	0.00

Pounds	10 Years.			14 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	2	8.61	0	2	1.82
2	0	5	5.22	0	4	3.64
3	0	8	1.82	0	6	5.46
4	0	10	10.43	0	8	7.28
5	0	13	7.04	0	10	9.10
6	0	16	3.65	0	12	10.92
7	0	19	0.26	0	15	0.74
8	1	1	8.87	0	17	2.56
9	1	4	5.47	0	19	4.38
10	1	7	2.08	1	1	6.20
20	2	14	4.17	2	3	0.41
30	4	1	6.25	3	4	6.61
40	5	8	8.33	4	6	0.82
50	6	15	10.42	5	7	7.02
60	8	3	0.50	6	9	1.22
70	9	10	2.58	7	10	7.43
80	10	17	4.67	8	12	1.63
90	12	4	6.75	9	13	7.84
100	13	11	8.83	10	15	2.04
200	27	3	5.66	21	10	4.08
300	40	15	2.50	32	5	6.12
400	54	6	11.33	43	0	8.16
500	67	18	8.16	53	15	10.20
600	81	10	4.99	64	11	0.24
700	95	2	1.82	75	6	2.28
800	108	13	10.66	86	1	4.32
900	122	5	7.49	96	16	6.36
1000	135	17	4.32	107	11	8.40
2000	271	14	8.64	215	3	4.80
3000	407	12	0.96	322	15	1.20
4000	543	9	5.28	430	6	9.60
5000	679	6	9.60	537	18	6.00
10000	1358	13	7.20	1075	17	0.00

Pounds	20 Years.			21 Years.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	0	1	8.92	0	1	8.40
2	0	3	5.84	0	3	4.80
3	0	5	2.77	0	5	1.20
4	0	6	11.70	0	6	9.60
5	0	8	8.62	0	8	6.00
6	0	10	5.55	0	10	2.41
7	0	12	2.47	0	11	10.81
8	0	13	11.39	0	13	7.21
9	0	15	8.32	0	15	3.61
10	0	17	5.24	0	17	0.01
20	1	14	10.48	1	14	0.02
30	2	12	3.72	2	11	0.03
40	3	9	8.97	3	8	0.04
50	4	7	2.21	4	5	0.05
60	5	4	7.45	5	2	0.06
70	6	2	0.69	5	19	0.07
80	6	19	5.93	6	16	0.08
90	7	16	11.17	7	13	0.09
100	8	14	4.42	8	10	0.10
200	17	8	8.83	17	0	0.19
300	26	3	1.25	25	10	0.29
400	34	17	5.66	34	0	0.39
500	43	11	10.08	42	10	0.48
600	52	6	2 50	51	0	0.58
700	61	0	6.91	59	10	0.67
800	69	14	11.33	68	0	0.77
900	78	9	3.74	76	10	0.86
1000	87	3	8.16	85	0	0.96
2000	174	7	4.32	170	0	1.92
3000	261	11	0.48	255	0	2.88
4000	348	14	8.64	340	0	3.84
5000	435	18	4.80	425	0	4.80
10000	871	16	9.60	850	0	9.60

THeſe Tables are ſo plain in themſelves, that they need no Example to illuſtrate them: But becauſe Queſtions only of the particular Years mentioned at the top of each Column can be reſolved by them, I ſhall in the next Page inſert a Table, whereby you may try any Number in the foregoing Tables, and anſwer any Queſtion belonging either to Forbearance, Diſcompt, or Purchaſe of Annuities, (as alſo to the Rebate of Money) at *6 per Cent.* Compound Intereſt, for any Number of Years, not exceeding 40. To do which, this is the Rule:

Multiply that Number in the Table which ſtands right againſt the Number of Years propoſed (and in the Column to which the Queſtion belongs, whether for Forbearance, Diſcompt, or Purchaſe of Annuities, or Rebate of Money) by the Annuity to be forborn, diſcompted, or purchaſed, or by the ſum to be rebated, and from the Product cut off ſix Figures to the right hand, the Figures remaining to the left hand are Pounds, and the Figures cut off are the Decimal Parts of a Pound.

One Example will be ſufficient to explain the whole Table, which ſhall be this:

If 500 l. *Annuity be forborn* 21 *Years, what will it amount to?*

Tabular Number againſt 21, and under *Forbearance of Annuities* —— 39992725

Annuity forborn — 500

19996|362500

Anſwer 19996 *l.* and .362500 Decimal Parts of a Pound, which being reduced is 7 *s.* 3 *d.* And this agrees exactly with the foregoing Table of the Forbearance of Annuities.

And after this manner are all Queſtions belonging to the following Table reſolved.

A Table

A Table shewing the Value of a Decimal Fraction, the Integer being One Pound, or Twenty Shillings.

l.	*q.*	*Dec. of* 1 l.	*d.*	*q.*	*Dec. of* 1 l.	*s.*	*d.*	*q.*	*Dec. of* 1 l.
0	1	.0010416	5	3	.0239583	0	11	1	.046875
0	2	.0020833	6	0	.025	0	11	2	.0479166
0	3	.003125	6	1	.0260416	0	11	3	.0489583
1	0	.0041666	6	2	.0270833	1	0	0	.05
1	1	.0052083	6	3	.028125	2	0	0	.1
1	2	.00625	7	0	.0291666	3	0	0	.15
1	3	.0072916	7	1	.0302083	4	0	0	.2
2	0	.0083333	7	2	.03125	5	0	0	.25
2	1	.009375	7	3	.0322916	6	0	0	.3
2	2	.0104166	8	0	.0333333	7	0	0	.35
2	3	.0114583	8	1	.034375	8	0	0	.4
3	0	.0125	8	2	.0353166	9	0	0	.45
3	1	.0135416	8	3	.0364583	10	0	0	.5
3	2	.0145833	9	0	.0375	11	0	0	.55
3	3	.015625	9	1	.0385416	12	0	0	.6
4	0	.0166666	9	2	.0395833	13	0	0	.65
4	1	.0177083	9	3	.040625	14	0	0	.7
4	2	.01875	10	0	.0416666	15	0	0	.75
4	3	.0197916	10	1	.0427082	16	0	0	.8
5	0	.0208333	10	2	.04375	17	0	0	.85
5	1	.021875	10	3	.0447916	18	0	0	.9
5	2	.0229166	11	0	.0458333	19	0	0	.95

To find the foregoing Fraction .3625 by this Table, you must do thus; seek for the Decimal Fraction in the Table that is nearest to it, (since you cannot at once find all the Figures) which is .35, against which on the left hand you have the value of it, *viz.* 7 *s.* subtract this from .3625, and there will remain .0125, which being found in the Table, against it stands 3 *d.* which added to 7 *s.* gives 7 *s.* 3 *d.* for the value of .3625 of a Pound.

And thus may you find the Value of any Fraction of a Pound by this Table.

To

To find the Value of a DECIMAL FRACTION.

IN the foregoing Tables of Intereſt, *&c.* inſtead of expreſſing the Parts of a Peny in Farthings, I have done it in Decimal Fractions, which is more exact, and more eaſie for Addition, *&c.* the nature of which perhaps you may not underſtand, and to give you a particular Conſtruction of them in this place would ſwell this Book into more Sheets than I have reſolved to confine it to, however to render them uſeful to you, I ſhall ſhew you a ready and eaſie way to find the Value of them.

In Decimals, all Cyphers to the right hand having no Figure after them, neither increaſe or diminiſh the Value of the Fraction; but every Cypher to the left hand at the beginning of ſuch Fraction leſſens the Value ten times, as if this were the Fraction .1, which is a Tenth, if a Cypher were placed before it thus .01, it would be but 1 Hundredth, if two Cyphers .001, but 1 Thouſandth Part, *&c.*

The Decimal Fraction .25 is equal to the Vulgar Fraction $\frac{1}{4}$, .50 to $\frac{1}{2}$, and .75 to $\frac{3}{4}$, ſo that in the aforeſaid Tables, where the Decimals are Parts of a Peny, you may preſently perceive how many Farthings the Decimal conſiſts of, for .25 is exactly 1 Farthing, .50 is 2 Farthings, and .75 is 3 Farthings; and if the Fractions be more or leſs than either of theſe, you may take that which is neareſt to it, as if it be 7.34, then you may value it to be 7 *d.* 1 *q.*

But if your Decimal Fraction be Parts of a Pound ſterling, as they happen to be in reſolving Queſtions by the laſt Table, then to find the Value thereof, you muſt multiply it by 20, the Shillings contained in a Pound, and ſo many Figures as you have in your Product more than in your Multiplicand, cut off to the left hand, and the Figures ſo cut off are Shillings, and thoſe remaining to the right hand are the Decimal Parts of a Shilling.

Example.

Example.

What is the Value of the Decimal Fraction in the Example preceding the laſt Table, viz. .3625?

The Fraction .3625 multiplied by 20 produces 72500, which is one Figure more than the Fraction propounded, therefore I cut off one Figure to the left hand thus, 2500, which is 7 Shillings, and .25 Decimal Parts of a Shilling: The whole Work will ſtand thus:

.3625
20
7|2500

If your Decimal Fraction be Parts of a Shilling, then you muſt multiply it by 12, (the Pence therein contained) cutting off the Exceſs to the left hand for Pence as before for Shillings.

Example.

.25
12
3|00

Here there is no remainder, or Fraction of a Peny, and therefore the exact value of the foregoing Fraction .3625 of a Pound, is found to be 7 *s.* 3 *d.*

If your Decimal be Parts of a Peny, as .753 Parts of a Peny, you muſt multiply it by 4, (the Farthings contained in a Peny) and the Figures cut off will be Farthings.

Example.

.753
4
3|012

And ſo this Fraction is found to be 3 *q.* and ſomewhat more, but ſo inconſiderable (being not 2 Hundred parts of a Farthing) that it is not worth notifying.

After this manner you may find the Value of any Fraction, but for your more eaſe, I will here ſet down a Decimal Table for Money, the Integer being 1 *l.*

A Table

A Table supplying the Defect of Years in the Three last Tables, as also shewing the Rebate of Money, at 6 per Cent. Compound Interest.

Years.	*Forbearance of Annuities.*	*Discompt of Annuities.*	*Purchase of Annuities.*	*Rebate of Money.*
1	1000000	943396	1060000	943396
2	2060000	1833392	545437	889996
3	3183600	2673012	374110	839619
4	4374616	3465105	288591	792093
5	5637093	4212363	237396	747258
6	6975318	4917324	203363	704960
7	8393837	5582381	179135	665057
8	9897467	6209792	161036	627412
9	11491315	6801691	147022	591898
10	13180794	7360086	135868	558394
11	14971642	7886873	126793	526787
12	16869940	8383843	119277	496969
13	18882137	8852682	102960	468839
14	21015065	9294983	107585	442301
15	23275969	9712248	102963	417265
16	25672527	10105894	98952	393646
17	28212879	10477258	95445	371364
18	30905651	10827602	92356	350343
19	33759990	11158115	89621	330513
20	36785590	11469920	87184	311804
21	39992725	11764075	85004	294155
22	43392289	12041580	83045	277505
23	46995826	12303377	81278	261797
24	50815575	12550356	79679	246978
25	54864510	12783354	78227	232998
26	59156381	13003164	76904	219810
27	63705763	13210532	75697	207368
28	68528109	13406162	74592	195630
29	73639796	13592719	73579	184556
30	79058184	13764829	72649	174110
31	84801675	13929084	71792	164254
32	90889775	14084041	71002	154957
33	97343162	14230227	70273	146186
34	104183752	14368158	69598	137930
35	111434777	14498263	68974	130105
36	119120864	14621003	68395	122740
37	127268116	14736797	67857	115793
38	135904203	14846035	67358	109238
39	145058455	14949093	66894	103055
40	154761962	15046313	66461	97223

THE RATES OF

POST-LETTERS,

Both Inland and Outland,

ESTABLISHED

Anno XII. Car. II. Regis.

WITH

the Times for ſending and receiving them. And alſo the POST-STAGES.

	s.	d.
THe Carriage of every ſingle Letter not exceeding one Sheet, to or from ny place not exceeding fourſcore Miles	0	2
The like Carriage of every double Letter ot exceeding two Sheets	0	4
The like Carriage of every Pacquet of etters proportionable to theſe Rates.		
The like Carriage of every Pacquet of Writs, eeds, and other things, for every Ounce	0	8
2. The Carriage of every ſingle Letter, ove fourſcore Miles	0	3
The like Carriage of every double Letter	0	6
And after theſe Rates for all Pacquets of etters.		
The like Carriage of every other Pacquet r every Ounce	1	0

s.

3. The Carriage of every ſingle Letter from *London* to *Berwick*, or from *Berwick* to *London* — 0
The like Carriage of every double Letter — 0
And after theſe Rates for all Pacquets of Letters.
The like Carriage of every other Pacquet, for every Ounce — 1

4. The Carriage of every ſingle Letter from *Berwick* unto any place within 40 Miles diſtance - 0
The like Carriage of every double Letter - 0
And after theſe Rates for every Pacquet of Letters.
The Carriage of every other Pacquet, for every Ounce — 0
The Carriage of every ſingle Letter a greater diſtance than 40 Miles — 0
The like Carriage of every double Letter— 0
And after theſe Rates for every Pacquet of Letters.
The like Carriage for things of greater bulk, by the Ounce — 1

5. The Carriage of every ſingle Letter from *England* to *Dublin* in *Ireland*, or from *Dublin* into *England* — 0
The like Carriage of every double Letter— 1
And after theſe Rates for every Pacquet of Letters.
The like Carriage of every other Pacquet, for every Ounce — 2

6. The Carriage of every ſingle Letter from *Dublin* to any place within 40 Miles diſtance, or from any place within the like diſtance to *Dublin* — 0
The like Carriage of every double Letter — 0
And after theſe Rates for every Pacquet of Letters.

	s.	d.
The like Carriage of every other Pacquet, for every Ounce	0	8
The Carriage of every Letter a farther distance than 40 Miles	0	4
The like Carriage of every double Letter	0	8

And after these Rates for every Pacquet of Letters.

The like Carriage of every other Pacquet, for every Ounce	1	0

The several Rates that now are and have been taken for the Carriage of Letters, Pacquets, and Parcels, to or from any of His Majesties said Dominions, to or from any other Parts or Places beyond the Seas, are as follow, that is to say,

		s.	d.
Morlaix, St. *Maloes*, *Caen*, *Newhaven*, and Places of like distance, Carriage paid to *Rouen*, is for	Single	0	6
	Double	1	0
	Treble	1	6
	Ounce	1	6
Hamburgh, *Colen*, *Frankfurt*, Carriage paid to *Antwerp*, is	Single	0	8
	Double	1	4
	Treble	2	0
	Ounce	2	0
Venice, *Geneva*, *Legorn*, *Rome*, *Naples*, *Messina*, and all other Parts of *Italy* by way of *Venice*, *franck pro Mantua*	Single	0	9
	Double	1	6
	Treble	2	3
	Ounce	2	8
Marcelia, *Smirna*, *Constantinople*, *Aleppo*, and all parts of *Turkie*, Carriage paid to *Marcelia*	Single	1	0
	Double	2	0
	¾ Ounce	2	9
	Ounce	3	9
And for Letters brought from the said places to *England*	Single	0	8
	Double	1	4
	Treble	2	0
	Ounce	2	0

The Carriage of Letters brought into *England*, from

		s.	d.
Calice, *Diep*, *Bulloign*, *Abbeville*, *Amiens*, St. *Omers*, *Montrell* ——	Single	0	4
	Double	0	8
	Treble	1	0
	Ounce	1	0
Roven ——	Single	0	6
	Double	1	0
	Treble	1	6
	Ounce	1	6
Genoua, *Legorn*, *Rome*, and other parts of *Italy* by way of *Lyons*, *franck pro Lyons* ——	Single	1	0
	Double	2	0
	¾ Ounce	2	9
	Ounce	3	9

The Carriage of Letters outwards,

		s.	d.
To *Bourdeaux*, *Rochel*, *Nantes*, *Orleans*, *Bayon*, *Tours*, and places of like distance, Carriage paid to *Paris* ——	Single	0	9
	Double	1	6
	Treble	2	3
	Ounce	2	0
Letters brought from the same places into *England* ——	Single	1	0
	Double	2	0
	¾ Ounce	3	0
	Ounce	4	0

The Carriage of Letters outwards,

		s.	d.
To *Norembourgh*, *Bremen*, *Dantzick*, *Lubeck*, *Lipswick*, and other places of like distance, Carriage paid to *Hamburgh* ——	Single	1	0
	Double	2	0
	¾ Ounce	3	0
	Ounce	4	0
Paris ——	Single	0	9
	Double	1	6
	Treble	2	3
	Ounce	2	0

Dunkirk,

		s.	*d.*
Dunkirk, *Oſtend*, *Liſle*, *Ipres*, *Cambray*, *Ghent*, *Bruxels*, *Bruges*, *Antwerp*, and all other parts of *Flanders*.	Single	0	8
	Double	1	4
Sluce, *Fluſhing*, *Middleburgh*, *Amſterdam*, *Rotterdam*, *Delph*, *Hague*, and all other parts of *Holland* and *Zealand* —	Treble	2	0
	Ounce	2	0

All Merchants Accompts, not exceeding a Sheet, Bills of Exchange, Invoices, Bills of Lading, ſhall be allowed without rate in the price of the Letters, and alſo the Covers of the Letters not exceeding a Sheet, to *Marſeils*, *Venice*, or *Legorn*, towards *Turkie*.

The Hire of Poſt-Horſes is after the Rate of 3 *d.* for every *Engliſh* Mile, and 4 *d.* every Stage for a Guide.

POST-LETTERS may be ſent from LONDON,

On Mondays,

TO *France*, *Spain*, *Italy*, *Germany*, *Flanders* and *Sweedland*, *Denmark*, *Kent* and the *Downs*.

On Tueſdays,

To *Holland*, *Germany*, *Sweedland*, *Denmark*, *Ireland*, *Scotland*, all parts of *England* and *Wales*.

On Wedneſdays,

To all parts of *Kent* and the *Downs*.

On Thurſdays,

To *France*, *Spain*, *Italy*, all parts of *England* and *Scotland*.

On Fridays,

To *Flanders*, *Germany*, *Italy*, *Sweedland*, *Denmark*, *Holland*, *Kent* and the *Downs*.

On Saturdays,

All parts of *England*, *Wales*, *Scotland*, and *Ireland*.

Letters are returned from all parts of *England* and *Scotland*, certainly every *Monday*, *Wedneſday*, and *Friday*; from *Wales* every *Monday* and *Friday*; and from *Kent* and the *Downs* every day: But from other parts more uncertainly, in regard of the Sea.

The Post-Stages, *shewing the Length of each Stage, and the Total of Miles from* LONDON.

Northern Road from *London.*

	Mil.	*Tot.*		*Mil.*	*Tot.*
Waltham-croſs	12	12	Tadcaſter	9	144
Ware	8	20	York	8	152
Royſton	13	33	Burrowbrigg	12	164
Caxton	8	41	North-allerton	12	176
Huntington	9	50	Darlington	10	186
Stilton	9	59	Durham	14	200
Stamford	12	71	Newcaſtle	12	212
Southwitham	8	79	Morpeth	12	224
Grantham	8	87	Alnwik	12	236
Newark	10	97	Belford	12	248
Tuxford	10	107	Berwick	12	260
Bautry	12	119	Cockburnſpeth	14	274
Doncaſter	6	125	Haddington	14	288
Ferrybrigg	10	135	Edenbrough	12	300

Norwich Road from *London.*

Royſton	33	33	Thetford	10	73
Cambridge	10	43	Attlebrough	10	83
Newmarket	10	53	Norwich	12	95
Bury	10	63			

Cheſter Road from *London.*

Barnet	10	10	Stone	16	110
St. Albans	10	20	Namptwich	16	126
Dunſtable	10	30	Cheſter	14	140
Feniſtratford	8	38	Northope	18	158
Toſſeter	12	50	Denbeigh	12	170
Daintry	10	60	Conway	14	184
Coventry	14	74	Blewmorris	10	194
Coſhall	8	82	Hollyhead	24	218
Lichfield	12	94			

Darby Road from *London.*

	Mil.	Tot.		Mil.	Tot.
Toſſeter	50	50	Leiceſter	12	80
Northampton	6	56	Loubrough	8	88
Harborough	12	68	Darby	12	100

Weſtern Road from *London.*

Stanes	16	16	Hunniton	19	142
Hartford-Bridge	16	32	Exeter	15	157
Baſingſtoke	9	41	Aſhburton	20	177
Andover	18	59	Plymouth	24	201
Salisbury	16	75	Foye		
Shaftsbury	19	94	Trowro		
Sherborn	16	110	Merkejew		
Crookhorn	13	123			

Portſmouth Road from *London.*

Stanes	16	16	Petersfield	10	42
Hartford-Bridge	16	32	Portsmouth	24	66

Yarmouth Road from *London.*

Burntwood	16	16	Saxmundum	16	78
VVitham	18	34	Beckles	16	94
Colcheſter	12	46	Yarmouth	10	104
Ipſwich	16	62			

Briſtol Road from *London.*

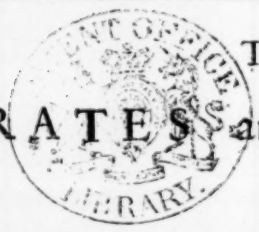
Huntſlo	10	10	Malbrough	15	69
Maidenhead	16	26	Chippenham	15	84
Reading	12	38	Briſtol	20	104
Newberry	16	54			

Gloceſter Road from *London.*

Maidenhead	26	26	Cirenciſter	15	72
Abbington	16	42	Gloceſter	18	90
Farrington	15	57			

Kentiſh Road from *London.*

Dartford	14	14	Canterbury	15	55
Rocheſter	14	28	Deal, or Dover	15	70
Sittingburn	12	40			



THE RATES and ORDERS OF *COACH-MEN.*

BY an Act of Parliament made in the Fourteenth Year of Our Soveraign Lord King *CHARLES* the Second, it is appointed, That no perſon or perſons after *May* 1. 1662. ſhall preſume to drive, (except Stage-Coaches) or let to Hire by the hour or day, or otherwiſe, any Hackney-Coach or Coach-Horſes within the Pariſhes compriſed within the Bills of Mortality, without an eſpecial Licenſe from the Commiſſioners appointed by His Majeſty for Licenſing and regulating Hackney-Coaches. That no Horſe, Gelding, or Mare, to be uſed with ſuch Coaches, be under 14 hands high, according to the Standard. That the Number of Coaches to be Licenſed ſhall not exceed 400. That every Coach ſo Licenſed ſhall have a Mark of diſtinction by Figure, or otherwiſe, as the Commiſſioners ſhall think fit, to the end they may be known, if any complaint ſhall be made of them. That no perſon ſhall be Licenſed to keep more than two Coaches, which Coaches ſhall have ſeveral Figures or Marks of diſtinction, as if belonging to ſeveral perſons. That no perſon ſhall put that Figure or Mark upon his Coach which is appointed for any other, under the forfeiture of five pounds. That no perſon ſhall be Licenſed to drive or keep a Hackney-

Hackney-Coach, or Coach-Horſes, that uſes any other Trade or Occupation. That firſt ſuch as have been ancient Coach-men, or ſuch Coach-men as have ſuffered for their Service to His Majeſty or his Father, or the Widows of ſuch (that have Coaches of their own) be Licenſed. That the Commiſſioners forfeit one hundred pounds for every Coach they Licenſe above the Number of 400.

That no Hackney-Coach-man ſo Licenſed ſhall preſume to take for his Hire in or about the Cities of *London* and *Weſtminſter* above Ten ſhillings for a day, reckoning 12 hours to the day; and by the hour, not above Eighteen-pence for the firſt hour, and 12 pence for every hour after; nor for his Hire from any of the *Inns of Court*, or thereabouts, to any part of St. *James*'s or *Weſtminſter*, (except beyond *Tuttle-Street*) above 12 pence, and the like from the ſame places to the *Inns of Court*, or places thereabouts; nor from the *Inns of Court*, or thereabouts, to the *Royal Exchange*, more than 12 pence; but if to the *Tower*, *Biſhopſgate-Street*, *Aldgate*, or places thereabouts, 18 pence; and ſo from the ſame places to the ſaid *Inns of Court* as aforeſaid. That the like Rates be obſerved from or to any place, at the like diſtance with the places before named. That if any Coach-man ſhall refuſe to go at, or exact more for his Hire than theſe Rates, he ſhall for every Offence forfeit Ten ſhillings.

The RATES *and* ORDERS *for* CARR-MEN.

At a General Quarter-Sessions of the Peace holden for the City of London (*the* 10th *of* October, *in the Twenty ninth year of His Majesties Reign, Sir* Thomas Davies *then Lord Mayor*) *at* Justice-Hall *in the* Old-Baily, *the following Rates and Orders were appointed for Carr-men.*

RATES for CARR-MEN.

ALL Carr-men Trading or Working with Carrs in the City of *London*, and Liberties thereof, shall and may demand and take for every Carriage or Load of the Commodities under-mentioned, the Rates hereafter following, that is to say,

	s.	d.
From any the Wharfs between the *Tower* and *London-Bridge*, to *Tower-street*, *Grace-Church-street*, *Fan-Church-street*, *Bishopsgate-street* within, *Cornhill*, and places of like distance up the Hill, with 18 Hundred Weight, not exceeding 20 Hundred Weight	2	2
And being above 20 Hundred Weight, for every Hundred	0	2
In which may be included, Two Puncheons of *Prunes*, 2 Bales of *Mather*, 20 Barrels of *Figs*, 2 Fats of *Fustians*, 6 ordinary Sacks of *Cotton Wools* of *Smyrna*, and 3 *Cyprus Bags*, a Butt of *Currans*, a great Butt of Oyls, 3 Chests of *Sugar*, 8 Bags of *Alums*, 1 Last of *Flax*, 1 Last of *Hemp*, and any other Goods herein not named of the like Weight, for every Load—	2	2

And

	s.	d.
And for *Sea-Coals*, 14 pence the Load, every Load to be half a Chaldron; and for one Hundred Fagots the like Rate	1	2
And from any the Wharfs aforesaid, to *Broad-street, Lothbury, Old Jury, Bassishaw, Coleman-street, Ironmonger-Lane*, St. *Lawrence-Lane, Milk-street, Aldermanbury, Cheapside, Wood-street, Friday-street, Bread-street*, and places of like distance, for the like Weight of 18 Hundred, not exceeding 20 Hundred Weight, for the Goods aforesaid, and other Goods herein not named, of the like Weight, for every Load	2	6
And being above 20 Hundred Weight, for every Hundred	0	2
And for *Sea-Coals*, 16 pence the Load, every Load to be half a Chaldron; and for one Hundred Fagots the like Rate	1	4
Also from any the Wharfs aforesaid, to *Smithfield-Bars, Holborn-Bars, Temple-Bar*, or any of the Bars on the North-side of the City, and places of like distance up the Hill, with 18 Hundred Weight, not exceeding 20 Hundred Weight, for every Load	3	4
And going beyond the said places, the parties to agree with the Carr-men.		
Also from any the Wharfs aforesaid, to *Tower-street, Bishopsgate* within, *Cornhill*, and other places of like distance up the Hill, with 14 Hundred Weight, not exceeding 18 Hundred Weight—	1	10
In which may be included.		
Twenty pieces of *Raisins*, a Load of *Raisins* of the *Sun*, 6 Bags of *Pepper*, 6 ordinary Bags of *Galls*, 3 great Bags of *Galls*, 6 Bales and Barrels of *Indico*, 6 Bales of *Grogram Yarn*, 6 Bales of *Turkie Silk*, 5 Hogsheads of *Cloves*, 4 Bales of *Callicoes*, 3 Hogsheads of *Wines*, 2 Chests of *Sugar*, or any other Goods of the like Weight, 5 Hogsheads of *Tobacco*, not exceeding 18 *C.* Weight—	1	10

Also

	s.
Alſo from any the Wharfs aforeſaid, to *Broad-ſtreet, Lothbury, Old Jury, Baſſiſhaw, Coleman-ſtreet, Ironmonger-Lane*, St. *Lawrence-Lane, Milk-ſtreet, Aldermanbury, Cheapſide, Wood-ſtreet, Friday-ſtreet, Bread-ſtreet*, and places of the like diſtance for any of the ſaid Goods of the ſame quantity and Weight, for every Load	2
Alſo from any the Wharfs aforeſaid, to *Tower-ſtreet, Grace-Church-ſtreet, Fan-Church-Street, Biſhopſgate-ſtreet* within, *Cornhill*, and other places of like diſtance up the Hill, with 8 Hundred Weight, not exceeding 14 Hundred Weight	1
In which may be included,	
All Buts and Pipes of *Wine*, or a Pipe of *Oil*, Packs of *Canvas*, 2 Hogſheads, or 3 Terces, a Fat of *Fuſtians*, and all other Goods of the like Bulk and Weight, for every Load	1
And from any the Wharfs aforeſaid, to *Broad-ſtreet, Lothbury, Old Jury, Baſſiſhaw, Coleman-ſtreet, Ironmonger-Lane*, St. *Lawrence-Lane, Milk-ſtreet, Aldermanbury, Cheap-ſide, Wood-ſtreet, Friday-ſtreet*, and other places of like diſtance, for any other Goods of like Load or Weight, for every Load	1
Alſo from *London-Bridge-foot*, Weſtward to the *Old Swan*, *Cole Harbor*, the 3 *Cranes*, *Queenhith*, *Broken Wharf*, *Paul's Wharf*, *Puddle Wharf*, the *Wardrobe*, and to all other places not exceeding the *Poultry Cheapſide*, or *Newgate-Market*, for 13 Hundred Weight, not exceeding 18 *C.* Weight	1
And for *Sea-Coals*, 14 pence the Load, every Load to be half a Chaldron; and for one Hundred Fagots the like Rate	1
And from all other Wharfs and places between *London-Bridge* and *Temple-Bar*, to the ſame, and places of like diſtance, for every Load of Coals 14 pence, every Load to be half a Chaldron; and 100 of Fagots the like Rate	1

	s.	d.
And to all places Northwards of the *Poultry*, *Cheapside*, *Newgate-Market*, *Holborn-Bridge*, and *Fleet-street*, for 14 Hundred Weight, not exceeding 18 Hundred Weight	2	2
And from *Tower-ſtreet*, *Grace-Church-ſtreet*, *Fen-Church-ſtreet*, *Biſhopſgate-ſtreet* within, *Cornhill*, and other places of like diſtance, for every Pack of 20 *Cloths*, for 6 Bales of *Cloths* and *Kerſeys*, 3 Bales of *Pepper*, 6 Barrels of *Indico*, 5 Hogſheads of *Cloves*, and for other Goods not herein mentioned, of like Weight, to the Water-ſide	1	4
And from *Broad-ſtreet*, *Lothbury*, *Old Jury*, *Baſſi-ſhaw*, *Coleman-ſtreet*, *Ironmonger-Lane*, St. *Lawrence-Lane*, *Milk-ſtreet*, *Aldermanbury*, *Cheapſide*, *Wood-ſtreet*, *Friday-ſtreet*, *Bread-ſtreet*, and other places of like diſtance, to the Water-ſide, for the like Weight	1	8

And for places nearer, or of leſs diſtance, the parties hiring, and to be hired, are to make Agreement proportionable or proportionable to the Rates before-mentioned.

ORDERS for CARR-MEN.

THe *Carr-men* for the foregoing Rates are to help to load and unload their *Carrs*.

If a *Carr-man* exact more than theſe Rates, upon due proof before the Lord Mayor, or any two Juſtices of the Peace, he ſhall ſuffer Impriſonment for the ſpace of 21 days, without Bayl or Mainpriſe.

If any Merchant, or other perſon, ſhall refuſe to pay a *Carr-man* for his Hire after theſe Rates, upon complaint made by the *Carr-man* to the Preſident of *Chriſt-Hoſpital*, or any Juſtice of the Peace, the Preſident or Juſtice may oblige them to do it.

All Merchants, or others, may chuſe what *Carr* they pleaſe, except ſuch as ſtand for Wharf-work, Tackle-work,

work, Crane-work, Shop and Merchants Houſes, whi
are to be taken in turn.

Every *Carr-man* ſtanding with his empty *Carr* next
any Goods to be loaden, ſhall upon the firſt demand lo
the ſame, without bargaining for any other Wages th
the Rates before-mentioned.

If a Merchant, or other perſon, ſhall cauſe a *Ca*
man to attend at his Houſe, Shop, Ware-houſe,
Cellar, with his loaden *Carr*, above half an hour b
fore he unloads, (the *Carr-man* being willing to he
unload the ſame) he ſhall pay the *Carr-man* after t
rate of Twelve pence for every hour after the fi
half hour, for his Attendance.

Every Licenſed *Carr-man* is to have a piece of Bra
fixed upon his *Carr*, upon which is to be ſet a certa
Number, which Number (together with the *Ca*
man's Name) is Regiſtred in a Regiſter kept in *Chri*
Hoſpital; ſo that if any *Carr-man* offends, it is b
taking notice of the Number of his *Carr*, and ſear
for that in the ſaid Regiſter, and you will find h
Name.

Every *Carr-man* that ſhall not conform to the
Rules, or Work without a Numbred Piece of Bra
fixed on his *Carr*, may be ſuſpended from his Em
ployment.

Complaints of the Abuſes of *Carr-men* may be ma
every *Tueſday*, at Two of the Clock in the Afternoo
to the Court ſitting in *Chriſt-Hoſpital*.

The RATES or FARES OF WATER-MEN.

As they were set forth by the Lord Mayor, and Court of Aldermen, Sept. 7. 1671.

	Oars. s.	Oars. d.	Skuller. s.	Skuller. d.
From *London* to *Lime-house*, *New-Crane*, *Shadwell-Dock*, *Bell-Wharf*, *Ratcliff-Cross*-	1	0	0	6
To *Wapping-Dock*, *Wapping New*, and *Wapping Old Stairs*, the *Hermitage*, *Rotherhith* Church Stairs, and *Rotherhith* Stairs	0	6	0	3
From St. *Olaves* to *Rotherhith* Church Stairs, and *Rotherhith* Stairs	0	6	0	3
From *Billinsgate* and St. *Olaves* to St. *Saviour's* Mill	0	6	0	3
All the Stairs between *London-Bridge* and *Westminster*	0	6	0	3
From either side above *London-Bridge* to *Lambeth* and *Fox-Hall*	1	0	0	6
From *White-hall* to *Lambeth* and *Fox-Hall*	0	6	0	3
From *Temple*, *Dorset*, *Black-Fryers* Stairs, and *Paul's Wharf*, to *Lambeth*	0	8	0	4
Over the Water directly in the next Skuller between *London-Bridge* and *Lime-house*, or *London-Bridge* and *Fox-Hall*	0	0	0	2

OARS,

		Whole Fare s.	Whole Fare d.	Company. s.	Company. d.
From *London* to	*Gravesend*	4	6	0	9
	Graise, or *Greenhive*	4	0	0	8
	Purfleet, or *Eriff*	3	0	0	6
	Woolwich	2	6	0	4
	Black-wall	2	0	0	4
	Greenwich, or *Deptford*	1	6	0	3

From

OARS,

		Whole Fare.		*Company.*	
		s.	*d.*	*s.*	*d.*
From *London* to	*Chelsey, Battersey, Wansworth*	1	6	0	
	Putney, Fulham, Barn-Elms	2	0	0	
	Hamersmith, Chiswick, Mortlack	2	6	0	
	Brentford, Isleworth, Richmond	3	6	0	
	Twickenham	4	0	0	
	Kingston	5	0	0	
	Hampton-Court	6	0	1	
	Hampton Town, Sunbury, and *Walton*	7	0	1	
	Weybridge and *Cherisey*	10	0	1	
	Staines	12	0	1	
	Windsor	14	0	2	

Rates for carrying of Goods in the Tilt-Boat between Gravesend *and* London.

	s.	*d.*		*s.*	*d.*
A Half Firkin	0	1	An ordinary Chest or Trunk	0	6
Whole Firkin	0	2	An ordinary Hamper	0	6
Hogshead	2	0	The Hire of the whole Tilt-Boat	22	6
Hundred Weight of Cheese, Iron, or any heavy Goods	0	4	Every single Person in the ordinary passage	0	6
Sack of Salt, or Corn	0	6			

What Waterman takes and demands more than these Rates, lies liable to pay Forty Shillings, and suffer half a Years Imprisonment.

And if he refuse to carry any Passenger or Goods at these Rates, upon Complaint made to the Lord Mayor and Court of Aldermen, he shall be suspended from his Employ for Twelve Months.

FINIS.

A

COMPANION

FOR

EXCISE-MEN,

CONTAINING THE

Excise-man's *Aid* & *Journal*,

WITH

TABLES for *EXCISE*

Exactly Calculated.

By JOHN MAYNE.

Printed by *A. Godbid*, and *J. Playford*, dwelling in *Little-Britain*, LONDON, 1680.

THE EXCISE-MAN'S AID, BEING A TABLE

Calculated for the Uſe of

COUNTRY GAUGERS.

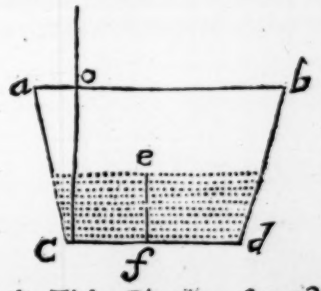
THE Uſe of the following Table is ſo plain, that it will want little Explanation, inſtead of which take the following Examples.

It is requiſite, that every Officer have always in readineſs a ſmall Line of Silk, with a Plummet, and a Rule.

Let this Plummet down to the Chine of the Veſſel, and with your Rule take the diſtance from the Thred to the ſide of the Tun (if it be the Fruſtum of a Cone, as moſt of them are;) take that Diſtance for your mean Diameter, then take the Depth of Liquor, with theſe enter the Table, and againſt the Diameter, in the Column under the Depth, you have the Content in Gallons and Pints.

Example.

a b c d a round Tun.
o c the Line and Plummet.
o b the mean Diameter 28 Inches.
e f the Depth of Liquor 9 Inches.



Look in the Table, under the Title *Diameter*, for 28, and againſt it in the Column under 9 you find 19 5, which is Nineteen Gallons and Five Pints, the Quantity of Liquor then in the Tun.

A Table of the Content of Cylinders in Ale Diameter, and from One

DIAM.	DEPTH. 1		2		3		4		5		6		7		8		9		10	
	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.	G.	P.
12	0	3	0	6	1	1	1	4	2	0	2	3	2	6	3	2	3	5	4	0
13	0	4	1	0	1	4	2	0	2	3	2	7	3	2	3	6	4	2	4	5
14	0	4½	1	1	1	5	2	2	2	6	3	2	3	7	4	4	5	0	5	4
15	0	5	1	2	1	7	2	4	3	1	3	6	4	4	5	0	5	5	6	3
16	0	5½	1	3	2	1	2	7	3	4	4	2	5	0	5	6	6	3	7	1
17	0	6	1	5	2	3	3	2	4	0	4	6	5	5	6	3	7	2	8	0
18	0	7	1	6	2	6	3	5	4	4	5	3	6	2	7	2	8	1	9	0
19	1	0	2	0	3	0	4	0	5	0	6	0	7	0	8	0	9	0	10	0
20	1	1	2	2	3	3	4	4	5	4	6	5	7	6	8	7	10	0	11	1
21	1	2	2	4	3	5	5	0	6	1	7	3	8	5	9	7	11	0	12	2
22	1	3	2	6	4	0	5	3	6	6	8	1	9	4	10	6	12	1	13	4
23	1	4	3	0	4	3	5	7	7	3	8	6	10	2	11	6	13	2	14	6
24	1	5	3	2	4	6	6	3	8	0	9	5	11	2	12	6	14	3	16	0
25	1	6	3	4	5	2	7	0	8	6	10	3	12	1	13	7	15	5	17	3
26	1	7	3	6	5	5	7	4	9	3	11	2	13	1	15	0	16	7	18	6
27	2	0	4	0	6	0	8	1	10	1	12	1	14	2	16	2	18	2	20	0
28	2	1	4	3	6	4	8	6	10	7	13	0	15	2	17	3	19	5	21	6
29	2	3	4	5	7	0	9	3	11	6	14	0	16	3	18	6	21	0	23	3
30	2	4	5	0	7	4	10	0	12	4	15	0	17	4	20	0	22	4	25	1
31	2	6	5	3	8	0	10	6	13	3	16	0	18	6	21	3	24	1	26	6
32	2	7	5	6	8	4	11	3	14	2	17	1	20	0	22	6	25	5	28	4
33	3	0	6	0	9	0	12	1	15	1	18	1	21	2	24	2	27	2	30	2
34	3	2	6	3	9	5	12	7	16	1	19	2	22	4	25	6	29	0	32	2
35	3	3	6	7	10	2	13	5	17	0	20	4	23	7	27	2	30	6	34	1

Gallons and Pints, from One to Five Foot of to Ten Inches in Depth.

DIAM.	DEPTH.									
	1	2	3	4	5	6	7	8	9	10
36	3 5	7 2	10 7	14 3	18 0	21 5	25 2	28 7	32 4	36 1
37	3 6	7 5	11 3	15 2	19 0	22 7	26 5	30 4	34 2	38 1
38	4 0	8 0	12 0	16 0	20 1	24 1	28 1	32 1	36 1	40 2
39	4 2	8 4	12 6	17 0	21 2	25 3	29 5	33 7	38 1	42 3
40	4 4	8 7	13 3	17 7	22 2	26 6	31 2	35 5	40 1	44 4
41	4 5	9 3	14 0	18 6	23 3	28 0	32 6	37 3	42 1	46 6
42	4 7	9 7	14 6	19 5	24 4	29 4	34 3	39 2	44 1	49 1
43	5 1	10 2	15 4	20 5	25 6	30 7	36 0	41 2	46 3	51 4
44	5 3	10 6	16 1	21 4	27 0	31 3	37 6	43 1	48 4	53 7
45	5 5	11 2	16 7	22 4	28 2	33 7	39 4	45 1	50 6	56 3
46	5 7	11 6	17 5	23 4	29 4	35 3	41 2	47 1	53 0	58 7
47	6 1	12 2	18 4	24 5	30 6	36 7	43 0	49 2	55 2	61 4
48	6 3	12 7	19 2	25 5	32 1	38 4	45 0	51 3	57 6	64 1
49	6 6	13 3	20 0	26 6	33 4	40 1	46 7	53 4	60 2	66 7
50	7 0	13 7	20 7	27 7	34 6	41 1	48 6	55 5	62 5	69 5
51	7 2	14 4	21 6	29 0	36 2	43 3	50 5	57 7	65 1	72 3
52	7 4	15 0	22 5	30 1	37 5	45 1	52 6	60 2	67 6	75 2
53	7 7	15 5	23 4	31 2	39 1	46 7	54 6	62 4	70 3	78 2
54	8 1	16 2	24 3	32 4	40 5	48 6	56 7	65 0	73 0	81 2
55	8 3	16 7	25 2	33 5	42 1	50 4	58 7	67 3	75 6	84 2
56	8 6	17 4	26 2	34 7	43 5	52 3	61 1	69 7	78 4	87 2
57	9 0	18 1	27 1	36 2	45 2	54 2	63 3	72 3	81 4	90 4
58	9 3	18 6	28 1	37 4	46 2	56 2	65 4	75 0	84 2	93 6
59	9 5	19 3	29 0	38 6	48 4	58 1	67 7	77 4	87 2	96 7
60	10 0	20 0	30 0	40 1	50 1	60 1	70 2	80 2	90 2	100 2

To Gauge a Cask by the Table.

Take double the Diameter at the Bung, and once the Diameter at the Head, add these together, and divide the Sum by 3, the Quote take for your mean Diameter; then consider what Depths in the Table will compleat your Casks Length, take those Gallons, add them together, and the Sum will be the Content of the Cask.

Example.

A Cask { Bung Diameter 27 / Head Diameter 24 } Inches. / Length 29

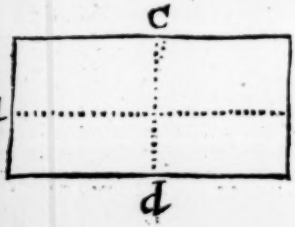
27	10 Inches deep	18 6
27	10 Inches deep	18 6
24	9 Inches deep	16 7
3) 78 (26 The mean Diameter.		54 3
18		
0		

So is the Content of the Cask found to be 54 Gallons and 3 Pints

To Gauge a Square Back or an Oblong.

Multiply the Length by the Breadth, and divide by 282, the Quote will be the Gallons contained in one Inch of Depth in that Back.

Example.



a b 120
c d 60

Gall. Pin.

282) 7200 (25 : 4
1560
150
8
1200

So doth this Back contain 25 Gallons and 4 Pints upon Inch of Depth.

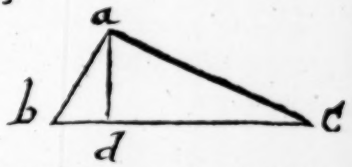
To

To find the Area of a Triangle in Ale Gallons.

Multiply the Baſe of the Triangle by half the Perpendicular, and divide the Product by 282.

Example.

b d c the Baſe 145 Inches.
$\frac{1}{2}$ *a d* 30 Inches.
—— *Gall. Pin.*
282) 4350 (15 : 3
1530
120
8
960



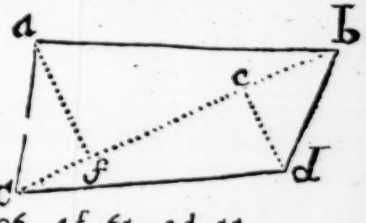
So doth this Tun contain 15 Gallons and 3 Pints upon one Inch of Depth.

To Gauge a Back in any other form, conſiſting of Right Lines.

Divide it into Triangles, adding the Area's of them into one Sum, which will be the Area of that Figure.

Example.

a b c d a Trapeza or an irregular Figure of 4 ſides.
c b the common Baſe to both Triangles.



c b 126 *a f* 65 *e d* 55
$\frac{1}{2}$ the Sum 60
—— *Gall. Pints.*
282) 7560 (26 6
1920
228
8
1824

So doth this Back contain 26 Gallons and 6 Pints upon one Inch.

EXCISE-MAN'S *JOURNAL* OR STOCK-BOOK:

BEING

A *General Method* to be obſerved by all *Supervisors* and *Officers*, in Keeping their Accompt of the Increaſe and Decreaſe of the *Victuallers* Stock.

John Downes *of* Tamemouth.

	1 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16		Charge. X.	G.	vj.	
	64 76	85 97	55 36	29 41	71 19	33 28	32 18	12 8					
Feb. 4	1½	01	11	¼ 0	11	11	11	0¾	—	—	—	—	
6	10	0⅞	11	00	⅓ 0	11	11	00	—	—	—	—	C. 21
8	¾ 1	1½	01	10	00	½ 1	1¼	11	—	6½	2	2	
10	01	10	0¼	¾ 0	00	01	10	11	—	—	—	—	B.
12	0½	¾	00	¼ 0	00	01	10	00	—	—	—	—	C. 23
14	1¼	⅛	00	10	01	1½	11	11	—	7	7	2	

Richard Jones *of* Kingsberry.

	1	2	3	4	5	6	7	8	9	*Charge.*			
	19	52	46	13	11	21	32	66	10	X.	G.	v j.	
4	1	½	1	0	1	0	¼	1	0	—	—	—	B.
6	1	0	¼	1	¾	1	1	⅞	1	2¼	4	1	
8	¾	0	0	½	0	1	1	¼	1	—	—	—	C. 98
10	¼	1	1	0	0	0	½	0	1	3	2	1	
12	0	1	½	0	0	0	0	0	0	—	—	—	C. 74
14	1	1	0	1	1	1	0	0	1	2¼	2	1	

UPon the Fourth day of *February* I came into Cellar, and found there 16 Casks, which with Marking-Iron I numbred upon the Head of each Cask 1, 3, 4, &c. Number 1 by the Gauge holds 64 Ale Gallo Number 2, 76, Number 3 is 85, and Number 4 hath Gallons in it, and the rest respectively: There I place t in each Column, where note, that the first in the Colum the uppermost Number, and so forward. The first, *viz.* is full; the second, 76, is half full; the third, *viz.* is empty; the fourth, fifth, and sixth, are full; and seventh, being 29, is a quarter full.

Now at the second Survey I find the second and th out, the fourth a drawing, the fifth and sixth full as t were, the seventh and eighth empty, the ninth is half f tenth is out, eleventh, twelfth, thirteenth and fourtee full, fifteenth and sixteenth empty: But I find in the T 210 Gallons x Ale by the Gauge ready to be cleans which I note in the last Column.

The third Visit I find fill'd,

Numb.	2 —	76
Numb.	3 —	85
Numb.	7 —	29
Numb.	15 —	12
Numb.	16 —	08
	In all	210 Gall.

As I found before in the Tun, which by the Table Reduction is six and a half Barrels and two Gallons, wh I charge accordingly, with two Barrels of Small I fo in the Coolers.

Upon the ſame day I came into another Cellar, and nd there but 9 Casks, which I Gauged and Marked as fore, but having Columns enough in my Book, I put t one in each Column; Number 1, holding 19 Gallons, place in the Column under its Number and Content, and e reſt in order. Finding the People brewing, I note at in the laſt Column; but the Worts not being off, I uld take no Gauge there, only go away with the account my Stock.

At my next coming I find they have cleanſed, the Stock creaſed thus:

Numb. 4 — 13
Numb. 6 — 21
Numb. 7 — 32
Numb. 8 — 10

In all 76 Gallons.

Which by the Table of Reduction is two and a half arrels and four Gallons, which I charge accordingly. Now at the drawing your Voucher, enter your odd allons after your ſeveral Charges, thus:

John Downes.

	X.		vj.
Febr. 8	6 ½	—	2
14	7	—	2
Odd Gall.	¼	—	—
	13 ¾	—	4

Leaving the one Gallon to your next Voucher.

A Table of Reduction of Gallons into Barr and Firkins.

Gall.	Barr.	Gall.	Barr.	Gall.	Barr
8	¼	36	4 ¼	264	8 ¼
16	½	144	4 ½	272	8 ½
24	¾	152	4 ¾	280	8 ¾
32	1	160	5	288	9
40	1 ¼	168	5 ¼	296	9 ¼
48	1 ½	176	5 ½	304	9 ½
56	1 ¾	184	5 ¾	312	9 ¾
64	2	192	6	320	10
72	2 ¼	200	6 ¼	328	10 ¼
80	2 ½	208	6 ½	336	10 ½
88	2 ¾	216	6 ¾	344	10 ¾
96	3	224	7	352	11
104	3 ¼	232	7 ¼	360	11 ¼
112	3 ½	240	7 ½	368	11 ½
120	3 ¾	248	7 ¾	376	11 ¾
128	4	256	8	384	12

Having 210 Gallons, I find in the Table 208 is fi Barrels and a half, then my Charge is fix Barrels an a half and two Gallons; and ſo of any other Sum i the Table.

T A

TABLES

For the Uſe of the

EXCISE OFFICE.

A TABLE *of the Nett* Excise *of Beer and Ale, allowing Defaulcation of* 3 *in* 23 *for Beer and* 2 *in* 22 *for Ale, to Common Brewers, according to the* 12 CAR. II.

Barrels.	Strong Beer.				Ale				Small Beer.			
	l.	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*	*l.*	*s.*	*d.*	*q.*
1	0	02	10	0	0	02	11	2	0	00	08	0
2	0	05	07	3	0	05	11	0	0	01	03	3
3	0	08	05	3	0	08	10	2	0	01	11	2
4	0	11	02	3	0	11	10	0	0	02	07	1
5	0	14	01	2	0	14	09	1	0	03	03	1
6	0	16	11	2	0	17	08	3	0	03	11	0
7	0	19	09	2	1	00	08	1	0	04	07	0
8	1	02	07	1	1	03	07	2	0	05	02	3
9	1	05	05	1	1	06	07	0	0	05	10	2
10	1	08	03	1	1	09	06	2	0	06	06	1
11	1	11	01	0	1	12	06	0	0	07	02	0
12	1	13	11	0	1	15	05	2	0	07	10	0
13	1	16	09	0	1	18	05	0	0	08	05	3
14	1	19	06	3	2	01	04	2	0	09	01	2
15	2	02	04	1	2	04	04	0	0	09	09	2
16	2	05	02	3	2	07	03	1	0	10	05	1
17	2	08	00	2	2	10	02	3	0	11	01	0
18	2	10	10	2	2	13	02	1	0	11	08	3
19	2	13	08	2	2	16	01	3	0	12	04	2
20	2	16	06	1	2	19	01	1	0	13	00	2
21	2	19	04	1	3	02	00	2	0	13	08	1
22	3	02	02	1	3	05	00	0	0	14	04	0
23	3	05	00	0	3	07	11	2	0	15	00	0
24	3	07	10	0	3	10	11	0	0	15	08	0
25	3	10	07	3	3	13	10	2	0	16	03	3

A TABLE of Exciſe for Common Brewers.

Barrels.	Strong Beer. l.	s.	d.	q.	Ale. l.	s.	d.	q.	Small Beer. l.	s.	d.	q.
26	3	13	05	3	3	16	10	0	0	16	11	2
27	3	16	03	3	3	19	09	2	0	17	07	1
28	3	19	01	2	4	02	08	3	0	18	03	0
29	4	01	11	2	4	05	08	1	0	18	11	0
30	4	04	09	2	4	08	07	3	0	19	06	3
31	4	07	07	1	4	11	07	1	1	00	02	2
32	4	10	05	1	4	14	06	2	1	00	10	2
33	4	13	03	1	4	17	06	0	1	01	06	1
34	4	16	01	0	5	00	05	2	1	02	02	0
35	4	18	11	0	5	03	05	0	1	02	10	0
36	5	01	09	0	5	06	04	2	1	03	05	3
37	5	04	06	3	5	09	04	0	1	04	01	2
38	5	07	04	3	5	12	03	1	1	04	09	2
39	5	10	02	3	5	15	02	3	1	05	05	1
40	5	13	00	2	5	18	02	1	1	06	01	0
41	5	15	10	2	6	01	01	3	1	06	09	0
42	5	18	08	2	6	04	01	1	1	07	04	3
43	6	01	06	1	6	07	00	2	1	08	00	2
44	6	04	04	1	6	10	00	0	1	08	08	2
45	6	07	02	1	6	12	11	2	1	09	04	1
46	6	10	00	0	6	15	11	0	1	10	00	0
47	6	12	10	0	6	18	10	2	1	10	08	0
48	6	15	08	0	7	01	10	0	1	11	03	3
49	6	18	05	3	7	04	09	1	1	11	11	2
50	7	01	03	3	7	07	08	3	1	12	07	2
51	7	04	01	3	7	10	08	1	1	13	03	1
52	7	06	11	2	7	13	07	3	1	13	11	0
53	7	09	09	2	7	16	07	0	1	14	06	3
54	7	12	07	2	7	19	06	2	1	15	02	2
55	7	15	05	1	8	02	06	0	1	15	10	1

A TABLE of Excise for Common Brewers

Barrels.	Strong Beer.				Ale.				Small Beer.			
	l.	s.	d.	q.	l.	s.	d.	q.	l.	s.	d.	q.
56	7	18	03	1	8	05	05	2	1	16	06	1
57	8	01	01	1	8	08	05	0	1	17	02	0
58	8	03	11	0	8	11	04	1	1	17	10	0
59	8	06	09	0	8	14	03	3	1	18	05	3
60	8	09	07	0	8	17	03	1	1	19	01	2
61	8	12	04	3	9	00	02	3	1	19	09	2
62	8	15	02	3	9	03	02	1	2	00	05	1
63	8	18	00	3	9	06	01	2	2	01	01	0
64	9	00	10	2	9	09	01	0	2	01	09	0
65	9	03	08	2	9	12	00	2	2	02	04	3
66	9	06	06	2	9	15	00	0	2	03	00	2
67	9	09	04	1	9	17	11	2	2	03	08	1
68	9	12	02	1	10	00	11	0	2	04	04	0
69	9	15	00	0	10	03	10	2	2	05	00	0
70	9	17	10	0	10	06	10	0	2	05	08	0
71	10	00	08	0	10	09	09	1	2	06	03	3
72	10	03	05	3	10	12	08	3	2	06	11	2
73	10	06	03	3	10	15	08	1	2	07	07	1
74	10	09	01	3	10	18	07	3	2	08	03	0
75	10	11	11	2	11	01	07	1	2	08	11	0
76	10	14	09	2	11	04	06	2	2	09	06	3
77	10	17	07	2	11	07	06	0	2	10	02	2
78	11	00	05	1	11	10	05	2	2	10	10	2
79	11	03	03	1	11	13	05	0	2	11	06	1
80	11	06	01	1	11	16	04	2	2	12	02	0
81	11	08	11	0	11	19	04	0	2	12	10	0
82	11	11	09	0	12	02	03	2	2	13	05	3
83	11	14	07	0	12	05	03	0	2	14	01	2
84	11	17	04	3	12	08	02	1	2	14	09	2
85	12	00	02	3	12	11	01	3	2	15	05	1

A TABLE of Excise for Common Brewers.

Barrels.	Strong Beer. l.	s.	d.	q.	Ale. l.	s.	d.	q.	Small Beer. l.	s.	d.	q.
86	12	03	00	3	12	14	01	1	02	16	01	0
87	12	05	10	2	12	17	00	3	02	16	09	9
88	12	08	08	2	13	00	00	0	02	17	04	3
89	12	11	06	2	13	02	11	2	02	18	00	2
90	12	14	04	1	13	05	11	0	02	18	08	2
91	12	17	02	1	13	08	10	2	02	19	04	1
92	13	00	00	0	13	11	10	0	03	00	00	0
93	13	02	10	0	13	14	09	1	03	00	08	0
94	13	05	08	0	13	17	08	3	03	01	03	3
95	13	08	05	3	14	00	08	1	03	01	11	2
96	13	11	03	3	14	03	07	3	03	02	07	2
97	13	14	01	3	14	06	07	0	03	03	03	1
98	13	16	11	2	14	09	06	2	03	03	11	0
99	13	19	09	2	14	12	06	0	03	04	07	0
100	14	02	07	2	14	15	05	2	03	05	02	3
200	28	05	02	3	29	10	10	3	06	10	05	1
300	42	07	10	0	44	06	04	2	09	15	08	0
400	56	10	05	1	59	01	09	3	13	00	10	2
500	70	13	00	2	73	17	03	1	16	06	01	0
600	84	15	08	0	88	12	09	0	19	11	03	3
700	98	18	03	0	103	08	02	1	22	16	06	1
800	113	00	10	2	118	03	07	3	26	01	09	0
900	127	03	06	0	132	19	01	0	29	06	11	2
1000	141	06	01	0	147	14	06	2	32	12	02	0

The Uſe of the foregoing Table.

THE Uſe of this Table is ſo plain and eaſie, that I ſuppoſe it will not want any Explanation; take one Example only.

QUEST.

What is the Nett Duty of 275 *Barrels of Strong Beer?*

	l.	*s.*	*d.*	*q.*
200 *per* Table is —	28	05	02	3
75 *per* Table is —	10	11	11	2
The Anſwer is —	38	17	02	1

Proved by Proportion thus:

Bar. *s.* *Bar.* *s.*
As 23 *to* 65 *So is* 275 *to* 777 $\frac{4}{23}$.

65

1375
1650

23) 17875 (777

177
165

4

31|17 : $2\frac{2}{23}$

Which Fraction reduced makes the whole Amount as above, within leſs than half a Farthing.

A

A TABLE *of* Excise *for Strong Beer and Ale, at* 3 s. 3 d. per *Barrel, and Small Beer at* 9 d. *from One to a Thousand Barrels.*

Barrels.	Strong Beer and Ale.			Small Beer.		
	l.	*s.*	*d.*	*l.*	*s.*	*d.*
1	00	03	03	00	00	09
2	00	06	06	00	01	06
3	00	09	09	00	02	03
4	00	13	00	00	03	00
5	00	16	03	00	03	09
6	00	19	06	00	04	06
7	01	02	09	00	05	03
8	01	06	00	00	05	00
9	01	09	03	00	06	09
10	01	12	06	00	07	06
11	01	15	09	00	08	03
12	01	19	00	00	09	00
13	02	02	03	00	09	09
14	02	05	06	00	10	06
15	02	08	09	00	11	03
16	02	12	00	00	12	00
17	02	15	03	00	12	09
18	02	18	06	00	13	06
19	03	01	09	00	14	03
20	03	05	00	00	15	00
21	03	08	03	00	15	09
22	03	11	06	00	16	06
23	03	14	09	00	17	03
24	03	18	00	00	18	00
25	04	01	03	00	18	09

A Table of Excise for Innkeepers and Victuallers.

Barrels.	Strong Beer and Ale.			Small Beer.		
	l.	s.	d.	l.	s.	d.
26	04	04	6	00	19	6
27	04	07	9	01	00	3
28	04	11	0	01	01	0
29	04	14	3	01	01	9
30	04	17	6	01	02	6
31	05	00	9	01	03	3
32	05	04	0	01	04	0
33	05	07	3	01	04	9
34	05	10	6	01	05	6
35	05	13	9	01	06	3
36	05	17	0	01	07	0
37	06	00	3	01	07	9
38	06	03	6	01	08	6
39	06	06	9	01	09	3
40	06	10	0	01	10	0
41	06	13	3	01	10	9
42	06	16	6	01	11	6
43	06	19	9	01	12	3
44	07	03	0	01	13	0
45	07	06	3	01	13	9
46	07	09	6	01	14	6
47	07	12	9	01	15	3
48	07	16	0	01	16	0
49	07	19	3	01	16	9
50	08	02	6	01	17	6
51	08	05	9	01	18	3
52	08	09	0	01	19	0
53	08	12	3	01	19	9
54	08	15	6	02	00	6
55	08	18	9	02	01	3

A Table of Excise for Innkeepers and Victuallers.

Barrels.	Strong Beer and Ale.			Small Beer.		
	l.	s.	d.	l.	s.	d.
56	09	02	0	02	02	0
57	09	05	3	02	02	9
58	09	08	6	02	03	6
59	09	11	9	02	04	3
60	09	15	0	02	05	0
61	09	18	3	02	05	9
62	10	01	6	02	06	6
63	10	04	9	02	07	3
64	10	08	0	02	08	0
65	10	11	3	02	08	9
66	10	14	6	02	09	6
67	10	17	9	02	10	3
68	11	01	0	02	11	0
69	11	04	3	02	11	9
70	11	07	6	02	12	6
71	11	10	9	02	13	3
72	11	14	0	02	14	0
73	11	17	3	02	14	9
74	12	00	6	02	15	6
75	12	03	9	02	16	3
76	12	07	0	02	17	0
77	12	10	3	02	17	9
78	12	13	6	02	18	6
79	12	16	9	02	19	3
80	13	00	0	03	00	0
81	13	03	3	03	00	9
82	13	06	6	03	01	6
83	13	09	9	03	02	3
84	13	13	0	03	03	0
85	13	16	3	03	03	9

A Table of Excise for Innkeepers and Victuallers.

Barrels.	Strong Beer and Ale.			Small Beer.		
	l.	s.	d.	l.	s.	d.
86	13	19	6	03	04	6
87	14	02	9	03	05	3
88	14	06	0	03	06	0
89	14	09	3	03	06	9
90	14	12	6	03	07	6
91	14	15	9	03	08	3
92	14	19	0	03	09	0
93	15	02	3	03	09	9
94	15	05	6	03	10	6
95	15	08	9	03	11	3
96	15	12	0	03	12	0
97	15	15	3	03	12	9
98	15	18	6	03	13	6
99	16	01	9	03	14	3
100	16	05	0	03	15	0
200	32	10	0	07	10	0
300	48	15	0	11	05	0
400	65	00	0	15	00	0
500	81	05	0	18	15	0
600	97	10	0	22	10	0
700	113	15	0	26	05	0
800	130	00	0	30	00	0
900	146	05	0	33	15	0
1000	162	10	0	37	10	0

EXCISE OFFICE'S FINE LIBRARY.